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North Georgia Agricultural College

1905-1906.

UNIVERSITY OF ILLINOIS,
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AND URBANA.

Thirty-fourth Annual Catalogue

OF THE

North Georgia Agricultural College

(Department of the University of Georgia)

AT

DAHLONEGA, GEORGIA

CHARTERED A. D. 1871

The First Normal College Course Authorized by the State
(Act of 1877)

1905-1906

BANNER PRINT, ATHENS, GA.

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CALENDAR.

Fall Term begins Sept. 5th, 1906.
Fall Term ends Jan. 31st, 1907.
Spring Term begins Feb. 1st, 1907.
Commencement Exercises June 2nd to 5th, 1907.

BOARD OF TRUSTEES.

WM. P. PRICE, President ... ...Dahlonega.
DR. N. F. HOWARD, Vice-President ... ...Dahlonega.
W. J. WORLEY, Secretary ... ... Dahlonega.
H. D. GURLEY, Treasurer ... ...Dahlonega.
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W. E. Candler ... ...Blairsville.
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J. F. Moore... ... ... Dahlonega.
Henry H. Perry ... ... Gainesville.
A. Rudolph* ... ... Gainesville.
Frank P. Rice ... ... Atlanta.
J. E. Redwine ... ... Gainesville.
Dr. H. C. Whelchel ... ... Douglas.
O. J. Lilly ... ... Dahlonega.
C. J. Wellborn ... ...Blairsville.

*Deceased.

FACULTY AND OFFICERS.

(In Order of Official Seniority.)

1906-1907.

DAVID C. BARROW, C. & M. E.,
Acting Chancellor of the University.

GUSTAVUS R. GLENN, A. M., LL. D., President,
Professor of Philosophy.

BENJAMIN P. GAILLARD, A. M., Vice-President,
Professor of Chemistry, Physics, Geology.

E. B. VICKERY, A. M., Secretary,
Professor of Ancient Languages and Literature.

J. W. BOYD, A. M.,
Professor of Mathematics and Astronomy.

JOSIE W. CLARKE, B. L.,
Assistant Professor of English.

CARL W. STEED, A. M.
Professor of English.

J. C. BARNES, B. S.,
Associate in Mathematics.

C. W. DAVIS, B. S., M. S. A.,
Professor of Agriculture and Biology.

B. J. FERGUSON, B. A.,
Professor of Business Science.

MISS MARY MERRITT,
Instructor in French and Drawing.

JOSEPH F. O'BYRNE, E. and M. E.,
Professor of Electrical and Mining Engineering.

E. J. WILLIAMS, Captain 5th Infantry, U. S. A.,
Commandant of Cadets.

MISS LEE ANNA WORLEY,
Librarian.

M. D. HEAD, M. D.,
Surgeon.

GENERAL INFORMATION.

ORIGIN AND PURPOSE OF THE COLLEGE.

This College owes its origin to the Act of Congress of July 2, 1862, entitled "An Act donating public lands to the several States and Territories which may provide colleges for the benefit of agriculture and the mechanic arts." The Act contemplates the "endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislature of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes."

The fund having been received by the State, the interest of it was placed under the control of the Trustees of the University for the purpose of the Act. The North Georgia Agricultural College, having been incorporated in 1871, received from the United States Government, in pursuance of an Act of Congress passed in that year, a donation of a building at Dahlonega, known as the United States Branch Mint, with ten acres of land connected therewith.

A contract was then made with the Trustees of the University by which the North Georgia Agricultural College became a department of the University, the title of the above property being conveyed to the Trustees of the University on the conditions specified in the donation, the Trustees of the University appointing the President of the College, making a certain allowance for its support, to wit: $2,000 annually, and exercising over it a general supervision.

BUILDINGS AND GROUNDS.

The college has forty acres of beautifully situated and valuable land—ten acres originally granted by the United States government, to which thirty acres have since been added—affording ample space for all military exercises and agricultural experiments.

The main building has twelve recitation-rooms and offices, the chapel, armory, and society halls, and is well equipped with modern furniture and apparatus. The departments of English, History, Mathematics, Ancient Languages, Agriculture and Biology, and Commerce are located in this building.

In 1900 Bostwick Hall, the gift of Mr. J. H. Bostwick, of New

York, was completed. The upper story of this building is devoted entirely to Chemistry, Physics, and Agriculture. Each of these departments has a well-equipped laboratory with individual desks for the students, and, as the program shows, every student in these departments is required to do from five to ten hours a week laboratory work. The lower floor is devoted to the President's office and lecture room, and to the libraries and reading-rooms.

In addition to the two brick buildings devoted to departments of instruction, there is a dormitory building that will accommodate forty students.

THE CHARLES M'DONALD BROWN FUND.

From the Charles McDonald Brown Scholarship Fund the institution gets $1150.00 annually. This is to aid worthy young men who are unable to pay their way through college. The applicant must be at least eighteen years of age, in good health, and must reside in one of the following counties: Rabun, Habersham, Towns, Union, Fannin, Dawson, Murray, White, Lumpkin, Gilmer, Pickens, Cherokee and Forsyth in Georgia, and Oconee, Anderson and Pickens in South Carolina.

WHAT A DISTINGUISHED GEORGIA BISHOP SAID OF THE WORK DONE AT DAHLONEGA.

Bishop Pierce visited the N. G. A. C. in 1877. In a letter to the Christian Advocate he made the following comments about the work done at this College.

Col. Lewis, the venerable president at that time did a remarkable work for the Institution, and his memory is revered by all who knew him at Dahlonega.

"I attended and was delighted with the exhibition. As a great many people in the state (doubtless like myself) have very imperfect ideas of the importance of this enterprise, I feel bound to say a word in its behalf. My former countryman and old-time friend, Col. D. W. Lewis, is the President. He is doing a great and good work. The whole community honors his Christian character, and official capacity and fidelity—the boys and girls are devoted to him. His influence is stimulating, refining; and no man in Georgia has a more promising field for usefulness than he. The College is well located and reaches a section and a class beyond the range of any other Institution in the state. It has been a quickening impulse to the mountain people. It has carried the light of knowledge to many obscure families, utterly hopeless before, of such privileges. Young men whose circumstances doomed them to mental darkness, and the dullest, roughest toil, have come out of their obscurity, and are struggling manfully for an education. I heard several of them speak with a thrill of delight. The diamond is yet in the rough but the

lapidary is at work, and the power to flash is there. The contributions from these hills will enrich the pulpit and the bar ere long. The Institution needs, deserves and ought to have the fostering care of the Legislature and the State University. Its means ought to be enlarged. I hope the Trustees at Athens will double the appropriation to this important adjunct to the University. As I cannot attend the session, I have written recommending this, and if present would urge it earnestly. I hope the College at Dahlonega will get speedy help, and enough of it to enable her to fulfill her grand mission."

"The contributions from these hills" have not only enriched "the pulpit and the bar," but they have enriched the qualities of leadership in many honorable pursuits. Many "captains of industry" in Agriculture and the Mechanic Arts have laid the foundations of success in thoughtful hours of study under the shadow of these hills. The lapidary is still at work and the power to flash is still here.

LOCATION.

Dahlonega is in many respects an ideal location for a school. The town is situated on an elevated plateau at the foot-hills of the Blue Ridge and is about 1600 hundred feet above the sea level. This plateau is almost surrounded by mountains and the air is thus kept dry winter and summer. The climate is invigorating and all the surroundings are pleasant. There are no barrooms allowed in Lumpkin county and evil influences as far as possible are kept away from Dahlonega. The student body is thus protected from many bal associations to be found in other localities. The over shadowing presence of the "everlasting hills" is a silent, but none the less potential influence over the lives of young people that nobody has ever yet clearly explained. Boys, with vigorous brains, dream of large things in the mountains.

THE COLLEGE LIBRARY.

The students have the use of a carefully selected library under the general supervision of a committee from the faculty, with a librarian regularly in charge. Nearly all the books have been chosen specially for the students, and new purchases are made twice a year from a fund appropriated for this purpose. A liberal selection of the best current literature, and the leading daily papers of the State are available to students in the reading room. A complete card catalogue and an index to periodical literature enable students to use the books and bound volumes of magazines to the greatest advantage. The library is also a depository for the publications of the United States government. Specially chosen depart-

ment libraries are being accumulated for the use of students in parallel reading and investigation.

THE DORMITORIES.

The Trustees have leased the Club House of the Consolidated Company for a dormitory, and have furnished the same. The building is the best constructed in town and will provide for sixty students. The dormitory on the College grounds will accommodate fifty students. Each dormitory will be under the immediate supervision of a resident member of the Faculty, thus securing a personal attention to the needs of students that can be brought about satisfactorily in no other manner.

The system of discipline employed in the dormitories will be, as it is throughout the College, military in its nature, but so arranged as to give to each student all the liberty warranted by continued good conduct and high class standing.

Only bona fide boarding students who are not able to make more economical arrangements elsewhere are required to live in the dormitories.

Students will furnish toilet articles, bed-clothing and pillow. Board will be $10.00 per month, payable in advance. This will include electric lights and fuel.

The general control of the dormitories is vested in the President and Faculty, who will make and enforce such rules as may appear necessary to secure the best results.

A list of approved boarding-houses is kept by the President, but no student will occupy such a room until the choice is approved by the President; no student will change his room until approved by the President, and the President may require a student to change his room.

EXPENSES.

Incidental fee (per year)	$ 10.00
Books and Stationary (per year)	15.00
Washing about (per year)	10.00
Library fee (per year)	2.00
Dormitory board about (per year)	100.00
Uniform and gloves about (per year)	17.00
Typewriting fee (per year)	6.00
Chemistry fee (per year)	4.00
Physics fee (per year)	4.00
Biological fee (per year	2.00
Quantitative Chemistry fee (per year)	6.00
Soil Physics fee (per year)	2.00
Breakage deposit (per term)	1.00

Students entering College January 3rd, or at the beginning of the Spring Term are required to pay only a proportional part of the above mentioned expenses.

Annual expenses are made as economical as possible, and will run from $150.00 to $175.00. When students bring their supplies from home, expenses can be reduced to an amount not exceeding $80.00.

The expenses of the first month of the term include nearly all but the monthly board and washing, and amount to nearly $50.00. In order that a student shall start promptly and efficiently in his class, provision should be made for this.

A student bringing the appointment by his county school commissioner, representative, or senator, will be allowed a credit of $2.50 on his incidental fee, for the term for which he is appointed, thus making matriculation fee $2.50 per term.

The estimate does not include traveling expenses to and from College. Stage fare from Gainesville to Dahlonega is $1.50 for each person and 50 cents for each trunk. Pocket-money depends on individual wishes, but should be moderate.

The special fees are charged only those who take a particular subject and are intended to merely cover the cost of material.

Dormitory boarders should bring the necessary toilet articles, bed-clothing, sheets, pillow and pillow-cases.

Board can be obtained from private families at from $12.50 to $15.00 per month, which will increase the cost from $25.00 to $50.00 per year.

Some expenses which cannot be foreseen will necessarily occur, but parents and students can feel assured that so far as the College is concerned, everything will be managed on the most economical basis.

This is not a place to spend much money. Parents should not allow over fifty cents a week for pocket-money, and twenty-five cents a week ought to be sufficient. Nor should they pay bills for other than college expenses made by a minor without a written order from them authorizing the same. Citizens are notified not to credit students without permission of parent or guardian.

LITERARY SOCIETIES.

There are three literary societies in the College, one for the girls and two for the boys. These societies furnish unexcelled upportunities to the students who wish to develop and improve themselves in Elocution, Composition, and Debate.

Strict observance of the By-Laws and Constitution is obligatory

on all active members. The new members especially are encouraged to take part in the discussion.

There is no part of a college course more valuable than the training derived from taking an active part in a good literary society. It is here that one learns to think and to speak while standing and to grapple with his antagonist in a mental contest.

GENERAL INFORMATION.

Students, on arriving, must immediately report at the dormitories and must at once consult the President about arrangements for board and for directions about registration.

The discipline of the College is under the immediate direction of the Commandant of Cadets. Serious offenses against good order are passed upon by the entire Faculty.

A College Young Men's Christian Association is organized and conducts religious services once a week.

The Fall Term begins always on the first Wednesday in September and the Spring Term usually ends the first Wednesday in June.

During the last session we had students from about seventy counties in Georgia. Almost without exception students who spend a year here are greatly improved in health. We have "plain living" and "high thinking" in the mountains. We encourage Athletic Sports: but do not allow them to conflict with a student's academic work.

The average age of a male student is over eighteen years, and a large majority are young men defraying their own expenses. This is not the school for idleness and frivolity, for fun and dissipation; but manly sports, innocent pleasures, regular physical training for all, hard study and excellence in character are the requisites for all who remain here.

Students who have over ten demerits during a month, unexcused absences, or special violations of discipline will be required to perform extra duty, which will be instructive in its nature.

COURSES OF STUDY.

PHILOSOPHY.

THE PRESIDENT.

Junior.

1. Logic.
2. Psychology.—James (Briefer Course). Laboratory work on

the structure and functions of the brain and sense organs, and the phenomena of sensation.

Senior.

3. History of Philosophy.
4. Ethics.

PEDAGOGY.

THE PRESIDENT.

Sub-Freshman—"A" Class.

1. Page's Theory and Practice, Georgia Syllabus, Roark's Methods, Observations in Model School.

Freshman.

2. Painter's History of Education, Required Theses. Model School observations and study of methods.

Sophomore.

3 Philosophy of Education. Lectures on School Supervision and Law.

Model School observations and practice, with study of methods.

Graduate.

4. Philosophy of School Government. Philosophy course, 1, 2, 4; Practice in Model School.

DEPARTMENT OF SCIENCE.

PROF. B. P. GAILLARD, PROF. C. W. DAVIS, PROF. J. C. BARNES

The course pursued in the sciences of geology, physics and chemistry, is designed to enable the student to know scientific facts and to grasp scientific principles, to acquire skill in handling and adjustment of apparatus, to awaken the scientific spirit and teach scientific methods, to cultivate a love for investigation and gain a store of facts that can be applied to the practical affairs of life.

B Class.

1. Elementary Physics; Geography (Frye), with original investigation, modeling and drawing; read Fairy Land of Science; extra work in Georgia Syllabus. Completed March 15. Elementary Botany.

A Class.

2. Elementary Chemistry; Physical Geography (Tarr); excursions, collections of materials for cabinets.

3. Physiology (Blaisdell), with use of charts and biological laboratory; lectures.

Freshman.

2. Zoölogy.

5 Botany and Plant Analysis; with special reference to agriculture.

Use of microscopes, dissections, lectures and demonstrations.

Sophomore.

6. General Chemistry; Chemical Experiments; Voorhees' Elements of Agriculture. Full laboratory work required of every student. The course is designed to give a good working knowledge of thirty to forty elements and the handling of apparatus. In addition to general demonstrations, the pupils do laboratory work. The laboratories are good and are fully equipped for twenty students.

7. Qualitative Analysis for B. S. and Agricultural students. This course has its foundation in the previous course, and aims to make the work a practical study, and one full of interest and utility.

Junior.

8. Gage's Principles and Physical Experiments, with not less than four hours a week laboratory work; Quantitative Analysis for B. S. students. Physics of Agriculture. Landscape Gardening.

Senior.

9. Geology, with study of minerals and geology of this section; Physics of Agriculture.

Students pay $2.00 laboratory fee to cover cost of materials used, and deposit $1.00 to cover breakage. The fee for Quantitative Analysis is $3.00, and $1.00 to cover breakage; amount above value of what is broken is returned.

DEPARTMENT OF MATHEMATICS.

PROF. J. W. BOYD AND PROF. J. C. BARNES.

The objects of the teachings in this department are:

First—the full and harmonious development of the reasoning faculties that the man may perform his life work with the best possible results for himself and his fellow man.

Second—to reveal to the students the moral worth of this science in developing habits of promptness, accuracy and decision, and in discriminating between truth and error. The deductions of this science are absolute and incontrovertible. This knowledge gives sound conviction, stability of character and conscious power.

Third—to set forth the utility of the science in its practical application to the great industrial enterprises of our country. The successful captains of industry are men who must know with mathematical certainty the structural value of stone, wood and iron. They do not guess; they must know. In order to know

absolutely they must be trained with mathematical certainty.

We therefore stress particularly the practical application of the science to industrial arts.

Sub-Freshman—B Class.

1. Arithmetic Completed—Five hours per week until March 15th. Text book, Milne's.

2. Elements of Algebra—Five hours per week after March 15th. Text book, Wentworth's Elements.

Sub-Freshman—A Class.

1. Elements of Algebra—Five hours per week until February 1st. Review of first principles. Chapters VIII to XV inclusive. Text-book, Wentworth's Elements.

2. Plane Geometry—Five hours per week until June. Books I to IV inclusive. Text-book, Wentworth's Plane and Solid. (Revised.)

Freshman Class.

1. Algebra—Review of Fundamental operations, Factors, Fractions, Simple Equations, Simultaneous Equations, Involution, Evolution, Radicals, Exponents, Quadratic Equations, Simultaneous Quadratics, Radical Equations, Surds and Imaginaries, Ratio and Proportion, Arithmetical and Geometrical Progression, Binomial Theorem, Logarithms. Five hours per week until February 1st. Text-book, Wentworth's College Algebra.

2. Geometry—Five hours per week until June. Books IV to IX, inclusive. Text-book Wentworth's Plane and Solid Geometry.

Sophomore Class.

1. Algebra—Interest and Annuities, Choice, Chance, Continued Fractions, Variables and Limits, Series, Interpolation, Determinants, General Properties of Equations. Five hours per week until November 15th.

2. Plane Trigonometry—Trigonometric Functions, the Right Triangles, Goniometry, the Oblique Triangle, Construction of Tables.

3. Spherical Trigonometry—The Right Spherical Triangle, the Oblique Spherical Triangle, Application to Astronomy.

4. Surveying Instruments and their uses, Land Surveying, Rectangular Surveying, Platting, Plane Table Surveying, Triangulation.

5. Levelling—Levelling for Section, Topographical Levelling, Railroad Surveying. Text-book, Wentworth's New Plane and Spherical Trigonometry, Surveying and Levelling.

Junior Class.

1. Analytic Geometry—Loci and their equations. Rectilinear System of co-ordinates. The straight line, the circle, different systems of co-ordinates. The Parabola, the Ellipse, the Hyperbola;

Loci of the Second Order, Higher Plane curves. Solid Geometry. Five hours per week until February 1st. Text-book, Wentworth's.

2. Differential and Integral Calculus—Quantities, Functions, Fundamental Principles, Differentiation, Limits, Analytical and Geometric Applications, Successive Differentiation, Integral calculus Type forms, Rational and Irrational Fractions, Trigonometric Integrals, Geometric and Mechanical Applications. Five hours per week. Text-book, Nichols.

Senior Class.

1. Astronomy five hours per week until the first of February. Text-book, Manual of Astronomy—Young.

2. Mechanics—Five hours per week until June. Definitions, Composition and Resolution of Forces, Center of Gravity and Stability, Elementary Mechanics, Kinetics, Centrifugal force. Work and Energy. Mechanics of Liquids, Mechanics of Gases and Vapors, Hydraulic and Pneumatic machines. Text-book, Analytical Mechanics—W. G. Peck.

DEPARTMENT OF ENGLISH.

PROF. CARL W. STEED AND MISS JOSIE W. CLARKE.

"Correctness in the use of language, and in a use that shall be fluent, is aim enough for one school along this line. From beginning to end the grammar school needs to devote itself to its attainment by daily practice in reading, in speaking, in composing, until ease and accuracy be won."

"Let us hope that the study of English literature will some time awake to its high calling; that its teachers will desire the restoration of the aim of taste; and that its students will come to know what it is to read fine books for the love of them."

Sub-Freshman—B Class.

1. English Grammar, The Mother Tongue II (Kittredge and Arnold). Selected reading from American Literature. Written work, two hours a week.

Sub-Freshman—A Class.

2. English Grammar (Text to be selected). Elements of English Composition (Gardiner, Kittredge, and Arnold). Selected Reading.

Freshman Class.

3. Rhetoric in Practice (Seward and Newcomer). Poets of the South (Painter). Masterpices of American Literature.

Sophomore Class.

4. First Term.—American Literature (Abernathy). Study of American Masterpieces.

Second Term.—Elementary Guide to Literary Criticism (Painter). Masterpices of English Literature.

This brief course in the study of English masterpieces is given here in order that students taking courses that close with this class may have an introduction, at least, to the literature of England.

Junior Class.

5. The History of English Literature (Text to be selected). The work in this course will be the reading of, rather than about, the literature of the great periods. Only representative authors of each period will be studied, in order that enough of their writings may be read to get their real contribution to the literature of England. No author will be studied merely as a figure in the history of the literature.

Written reports on assigned reading will be made the basis of regular work in composition.

Senior Class.

6. Elements of Literary Criticism (Johnson), with copious readings from authors quoted in illustration of principles. Critical reports on assigned readings in application of the principles discussed.

The class will make special studies of Chaucer, Shakespeare, and the Nineteenth Century Romanticists, reading such essays as discuss these poets and their times. The rhetorical work of the class will be done in a course of weekly themes based upon weekly talks on the principles of literary composition, and copious illustrative readings, with informal comment and discussion by instructor and students.

A department library is being accumulated in order to afford students free access to the material of their study, in all the classes of the department. In the lower classes, the assigned readings of the hero stories of American and Georgia history will be correlated with the composition work in English.

DEPARTMENT OF HISTORY AND ECONOMICS.

PROF. STEED, PROF. BARNES, AND MISS MERRITT.

"It is precisely in this debatable ground of low motives and noble emotions; in the struggle, ever failing yet ever renewed, to carry truth and justice into the administration of human society; in the establishment of states and in the overthrow of tyrannies; in the rise and fall of creeds; in the world of ideas; in the character and deeds of the great actors in the drama of life, where good and evil fight out their everlasting battle, now ranged in opposite camps, now and more often in the heart, both of them of each

living man—that the true human interest of history resides."

"The plan is to take the Sub-Freshman student and reduce his usually unorganized knowledge of the text-book facts in American history to logical sequence, stressing pivotal matter by class-room use of a book like "Elson's Sidelights on American History." The library is used mainly for inspirational studies in biography. This feature of the course is correlated with the composition work of the course in English.

A similar plan is followed, the second year, in the civil government of the United States and of Georgia, the hero stories of Georgia being used in connection with the civic history of the state.

In he second half of this year, the history of Greece and the Orient is read, with as much parrallel reading of the classic legends and myths as is possible.

Up to this point the work in history is intended to be primarily informational.

In the Freshman class the student goes on with a study of Rome and Western Europe, making frequent use of the more interesting sources of medieval history, and stressing the great movements, intellectual, religious and political.

The Sophomore year is given to the study of English history, with parallel study of the French Revolution and the Napoleonic period in Europe.

The Junior class studies the political history of the United States ; and the Seniors read Political Science and Economics.

1. **B Class.**—United States History (Text to be selected), with Sidelights on American History I (Elson).

2 ..**A Class.**—Fall term. Civil Government of the United States (Thorpe), and of Georgia (McPherson), with Stories from Georgia History (Chappell).

Spring term, Greece and the Orient (Text to be selected).

3. **Freshman Class.**—Fall Term, Rome (Myers). Spring Term, History of Western Europe (Robinson).

4. **Sophomore Class.**—History of England (Cheyney).

5. **Junior Class.**—Political History of the United States (Elson), to 1829; Division and Reunion (Wilson).

6. **Senior Class.**—The State (Wilson); Economics (Text to be selected).

DEPARTMENT OF LATIN AND GREEK.

PROF. E. B. VICKERY, A. M.

The course of study prescribed in Latin and Greek is, in the main, the one adopted by the leading colleges of the country. This

course has for its object not only the training of the students in the idioms and forms of expression of the ancient languages, but also to furnish the student with the body of thought contained in the literature of the Latin and Greek authors.

As the fountain source of a large proportion of the words in our own tongue the ancient languages must always be studied. In addition to this the cultured man must also be familiar with the philosophy of life and the progress of civilization and literary culture developed by these ancient authors.

The ends aimed at in this department, therefore, are mental discipline, love of literature, the best ethical ideals, and the most approved form of literary expression.

B Class.—Five Hours per Week.

Collar and Daniell's First Year Latin completed during the year.

A Class.—Five Hours per Week.

First Term—Cæsar's Gallic War (Books I, II, and III); Composition based upon the text (Moulton and Collar.)

Second Term—Cicero's Orations against Catiline; Composition (Moulton and Collar.)

Freshman.—Five Hours per Week.

First Term—Ovid (Selections).

Second Term—Virgil's Æneid (three books); Scanning.

Sophomore.—Five Hours per Week.

First Term—First Book of Livy.

Second Term—Selections from Odes, Satires, and Epistles of Horace; Scanning.

Junior—Five Hours per Week.

First Term—De Amicitia of Cicero.

Second Term—Satires of Juvenal.

Senior.—Two Hours per Week.

First Term—The Adelphi of Terence.

Second Term—The Germania of Tacitus.

Exercises in translating connected English into Latin and sight reading will be given throughout the courses.

Allen and Greenough's Latin Grammar is used throughout the course. All of the foregoing course, or its equivalent, is required of A. B. students.

DEPARTMENT OF GREEK.

PROF. VICKERY.

A Class.—Five Hours per Week.

First Greek Book completed; selections from Xenophon's Anabasis (Book I).

Freshman.—Five Hours per Week.

First Term—Xenophon's Anabasis; Composition.

Second Term—Homer's Iliad (Books I-III); Scanning.

Sophomore.—Five Hours per Week.

First Term—Herodotus.

Second Term—New Testament and Homer; Literature (Jebb's).

Junior.—Optional, Two and One-half Hours per Week.

First Term—Demosthenes (Philippics I and II).

Second Term—Antigone of Sophocles.

Senior.—Optional, Two Hours per Week.

Plato's Apology.

Exercises in translating English into Greek and sight translation from Greek into English will be required of all classes.

Goodwin's Greek Grammar will be used during the course.

The foregoing course is required of all candidates for the A. B. degree.

DEPARTMENT OF AGRICULTURE.

PROF CHARLES W. DAVIS.

The college farm, consisting of about thirty acres adjoining the college campus, is in cultivation under the direction of the Professor of Agriculture. Students thus have an opportunity to see daily the work of the farm and orchard going on about them. Labor is not compulsory, but students in the agricultural course are given work that is educational and parallel with their studies.

The interest of the State Legislature in providing an increased appropriation for this department, enabled us to add valuable equipments to the farm and laboratories. A number of thoroughbred animals, such as cattle, sheep, hogs and poultry will be purchased soon. The Soil Physics Laboratory has just been installed with new desks, soil-bins, motor, shaker, centrifuge and complete apparatus for the mechanical and chemical analysis of soils. It has accommodations for twenty-five students.

In addition to the work here at college, steps are being taken to aid the farmers of this section. In coöperation with the U. S. Department of Agriculture a number of sub-stations for experimental purposes are being established in North Georgia. A number of farmers have already manifested an interest in the work. We believe the only way to benefit the majority of farmers is to devise some means of coming in contact with them. We therefore employ this method of carrying on this part of our work. One of the graduates of this department will be employed as Field Agent, devoting his whole time to the work.

Small nurseries of new and established varieties of fruit trees will be established at the various sub-stations for free distribution to interested parties.

The object of the course in this department is to fit young men to manage farms or to become workers in experiment stations or other situations where a knowledge of the sciences in their applications to agriculture is required.

In order to meet the necessities of all young men, who desire instructions in Agriculture, the College offers three distinct courses:

The four years' course which leads to the degree of Bachelor of Science in Agriculture is designed to give a training that is thoroughly practical as well as scientific in agriculture and its various branches. The greater portion of the work in agriculture is done in the last two years of the course, after a good foundation is laid by the study of the Natural Sciences.

The two years' course is equivalent to the first two years of the four years' course, except that in the second year additional work in Agriculture and Horticulture is substituted for the English and modern language of the Sophomore year. Those who complete this work will be given certificates.

WINTER COURSE IN AGRICULTURE.

To meet the needs of men of mature years, who are busy on the farm the greater portion of the year, and for the benefit of those young men who desire to become better farmers, and who feel that they cannot take one of the regular courses in Agriculture, a short course has been arranged, beginning the first Monday in January and closing on the second Friday in March.

Instruction is given by such methods as seem best adapted to the subjects taught, including lectures, laboratory work and study of text-books or other literature. This work is placed in practical form as far as possible. The purpose is to make the methods direct and practical in the attempt to give the students a sufficient knowledge of the subjects for the ordinary uses of farm life. The attractive features of the farm home and the farm life are brought out and developed; the great possibilities of employing all the highest energies and talents in the successful pursuit of this occupation is shown to the students.

For admission to this course no examination is required, but to get the most benefit from it, one should at least have completed the work of the common district school.

The only expenses will be for board and about $5.00 for books.

FOUR YEARS' COURSE.

Freshman.

Elementary Agriculture.—This course is intended to show the relation of the natural sciences to agriculture and to explain how these facts may be applied. The work is designed to give young men who remain at college but a short time an idea of the importance and value of agricultural pursuits.

Farm Crops.—This is a study of the conditions of germination and growth and the circumstances modifying these conditions; the selection of crops, the system of rotation best adapted to the State; summer fallow; and the management of meadows and pastures. The student makes observations, on the farm, on the habits of growth of the different farm crops.

Sophomore.

Soils.—The origin, composition and physical and chemical properties of soils receive attention; different methods of treatment are examined, and the influence of these methods upon moisture, texture, fertility and production.

Breeds and Breeding.—The object of this course is to show the zoölogical relation of our domestic animals to the rest of the animal kingdom, emphasizing the principles illustrated in their development into specialized animals; study of the different breeds of horses, cattle, sheep and swine, for the purpose of learning their qualities, character, and adaptabilities.

Junior.

Grasses and Forage Crops.—Students will be required to make themselves familiar with all the varieties of grasses and forage crops grown in the grass garden.

Stock Feeding.—This is a study of the principles underlying the profitable feeding of animals; the composition of plants, animals and animal products. A critical study is made of results of feeding at various experiment stations.

General Horticulture and Economic Entomology.—Insect pests and plant diseases of orchard and garden, together with remedies for each, are thoroughly discussed. Other phases of the work are orchard management, cultivation, tree planting, pruning, location of orchards, and desirable varieties to be planted.

Pomology and Orchard Management.—The preparation of soils, laying out and planting of orchards, vineyards and small fruits; cultivation and fertilization; mulching and irrigation, pruning and thinning; harvesting, packing, storing and marketing, classification of varieties, their nomenclature and merits.

Propagation and Care of Plants.—A study of the principles un-

derlying an intelligent understanding of the care, growth and development of orchard and garden plants and trees. Instruction is also given in propagation by seeding, budding, grafting, layering, and by cuttings.

Soil Physics.—This course is designed for advanced work in the study of soils, both in the laboratory and the field.

Stock Judging.—Practice in expert judging of horses, cattle, sheep and swine by use of score card.

Senior.

Vegetable Gardening.—The special requirements of the different vegetables, both in the garden and in the forcing-house, are discussed.

Landscape Gardening.—The practical side of ornamenting private and public grounds is studied. This includes the making of lawns, drives, and flower and shrubbery beds; sodding, tree planting, etc.

Rural Engineering.—Instruction included under this head embraces the subjects of drainage, buildings, fences and farm machinery.

Manures and Fertilizers.—This consists of experiments with different fertilizers for various crops. Home-mixed vs. commercial fertilizers.

Agricultural Experimentation.—Students are required to make abstracts of a sufficient number of bulletins of various experiment stations, bearing on a selected line of work, to become familiar with their scope and aim.

History of Agriculture and Rural Economics.—Lectures upon the history of Agriculture, present agricultural methods in various countries, cost and relation, profits of various farm operators and systems.

Forestry.—Lectures on forest influences and methods of forest management, timbers and forest products.

Entomology.—The external and internal anatomy of insects will be studied. Their life history; injury to various crops, and means of holding them in check.

ART.

MISS MARY B. MERRITT, A. B.

Art has been defined as "the manner in which nature is used for the production of beauty. The material may be language, or the movements of the body, or sound, or life itself, as well as stone, or plaster, or paints, or ink and paper. In the mouldings of all these things Art may arise, so that there lives no human being, how

poor soever, who may not beautify his life by Art."

Freehand Drawing classes are open to all the students. In them the underlying principles of Art, proportion, perspective, and composition are stressed, as well as light and shade. First, the simplest objects composed of straight lines are used for models, then curved surfaces are introduced, and after that more complex objects. The lessons are varied by sketching from still-life, from nature, and from life.

The lessons will be supplemented by discussions on the different aspects of Art and its relation to life; and the history of Art will be studied.

A special course is offered in charcoal, crayon, pastel, oils, water-colors, and pen and ink to those who may desire it.

DEPARTMENT OF FRENCH.

MISS MARY B. MERRITT.

The object of this course is to enable the student to avail himself of the large number of scientific treatises that are published in the French language and to read with appreciation the masterpieces of French literature; to acquire the ability to speak the language; and to gain a knowledge of its grammar. In order to accomplish this an almost equal time is given to reading, conversation, and grammar. Especial attention is given to the study of the idioms of the language.

Freshman.

1. Fraser and Squair's French Grammar; reading of short stories and Erckmann—Chatrian's Le Conscrit; conversational exercises at every recitation.

Sophomore.

2. Syms' Second Year in French completed; Dumas' La Tulipe Noire and Eckmann—Chatrian's Waterloo; original compositions in French. Recitations will be, as far as practicable, conducted in French.

Junior.

3. Syms' Third Year in French completed; study of Victor Hugo's Les Miserables, and selected readings; the French and English idiom compared; original compositions in French; conversation. This year will be devoted principally to a literary study of the masterpieces of French literature with special attention to the peculiar excellencies of the French language as a means of literary expression.

Senior.

Representative selections from eighteenth century prose: Des-

cartes, Pascal, La Bruyere; selections from classics, Molière, Racine, Corneille; conversation; business and social correspondence.

BACHELOR OF BUSINESS SCIENCE COURSE.

PROF. BENN J. FERGUSON.

Commercial training is assuming enormous proportions in this country, and is progressing in leaps and bounds and is attracting the attention of our foremost educators and securing the support of our foremost business men. It is advocated by Chambers of Commerce, Bankers' and Business Men's Associations everywhere. Indeed, the sentiment in favor of commercial training is phenomenal and well-nigh revolutionary in the history of education.

A three years' business course beginning with Freshman is especially arranged for those wanting a practical education. This course gives a young man a thorough business education with the culture derived from college work. We believe it to be valuable to those desiring more than mere technical knowledge of commercial branches. The students get the benefit of the Societies and Libraries and receive a good course in English, Science and History. It is a business man's course, preparing the student to be more than a machine, to be a useful member of society by giving him culture. If a young man or woman wishes a fair college training, together with technical studies, we offer an ideal course at a minimum cost. Military Drill is required of those taking this course and a diploma is granted to those completing it.

The work of the Sub-Freshman "B" and "A" Classes is the same as in the B. S. Course.

DEPARTMENT OF BOOKKEEPING.

Inductive Set.

Beginning with Sub-Freshman "A" Class, the student, by a gradual and entirely natural growth is carried by his own reasoning regarding the records he is called upon to make in his capacity as bookkeeper, into a practical knowledge of the double-entry system, with full understanding of the differences and advantages of double over single entry. In recording transactions and performing the mechanical part of his work, he is instructed in the language of the business office by the proprietor himself. He learns the use of the different books of record, and upon completion of this budget and auxiliary drill exercises has had excellent practice and acquired a working knowledge of practical bookkeeping.

The records are all made from business papers and memoranda

that come to the student as he progresses with the work. Every entry made calls for exactly the same detail regarding business papers handled that a bookkeeper must comply with in carrying on his work. He receives and makes the entries in his books from incoming papers that have all the reality and variety of form and hand writing of the business office, and he must issue all outgoing papers required by the different transactions.

A distinctive feature of the Inductive Set is that while it is made intensely interesting to the student, accuracy is enforced, and he is held to the highest standard of mechanical excellence. His method of presentation, the absence of arbitrary form and get-up, the development of accounts other than personal as they are demanded to meet the requirements of the business, and the scheme of final development of a double-entry set of books corresponding to the evolution of account-keeping from the time accounts first originated—all these are distinctive features of this set.

DEPARTMENT OF ADVANCED BOOKKEEPING.

Those students who have completed the foregoing business studies are now required to take advanced work in the Science of Accounts, including Commission and Jobbing, Manufacturing (by the voucher system) Banking, and Office Work. A course of collateral work is pursued in Commercial Law, Commercial Geography, Commercial Economics, Finance, etc., all graduating students being required to have an intelligent comprehension of these subjects for graduation.

DEPARTMENT OF SHORTHAND AND TYPEWRITING.

There are many advantages to be derived from the study of shorthand. Many students come to college handicapped with very slovenly habits due to faulty elementary training. The ordinary degree of neatness and accuracy which will answer for the every-day affairs of life will not suffice for the purpose of shorthand. There must be accurate, rapid thinking and close observation.

Commercially, shorthand is a valuable profession; besides it opens the door to unlimited opportunities. There are thousands of men filling the most lucrative positions who owe their advancement to a knowledge of shorthand.

Our primary object is to graduate stenographers having a scientific and thoroughly practical knowledge of their profession—men and women who can not only perform the duties of the office amanuensis but who are competent to fill positions as instructors, court reporters, and such as require skilled verbatim reporting. A high standard of proficiency is required of the graduate, such as

will insure satisfaction in any capacity. Our course should not be confounded with the short-term courses advertised by business colleges. Every feature of the work is taken up in the most thorough and systematic manner, and this, with their thorough knowledge of English, Science, History, Mathematics, etc., makes our graduates competent to do any kind of stenographic work.

Two years, the Sophomore and Junior, are devoted to shorthand and typewriting, and the student is required to take typewriting, in his Freshman year .

Sub-Freshman "B" and "A" classes are the same as in the B. S. course.

Freshman.

Theory and Practice of Bookkeeping, Single and Double Entry, Wholesale and Retail, Penmanship, etc. Typewriting.

Sophomore.

Commission and Jobbing, Typewriting, Stenography, ("The Amanuensis," Benn Pitman System by Jerome B. Howard) Commercial Law, etc.

Junior.—(Graduate Year).

Manufacturing, Banking, Office Work, Commercial Law, Commercial Geography, Finance, etc., Stenography, (Speed Drill, Technical Reporting, Court Reporting, etc.) Typewriting, (Tabulating, Specifications, Rapid Dictation, Manifolding, Duplicating, Commercial and Legal Forms, Care of machine, etc.)

Students pay for use of typewriter at rental of $3.00 per term.

A certificate will be granted to those taking special work in Book-keeping, English and Mathematics.

This special course is arranged for those who wish a working knowledge of Book-keeping and who can not remain long enough to complete the regular Bachelor Degree Course.

SCHOOL OF MINES.

PROF. JOSEPH F. O'BYRNE.

Introduction.

Civil, Mechanical, Electrical, and Mining Engineering will be preeminently those professions of the twentieth century, which will start and keep moving the wheels of industrial progress; for does not industrial history of states and nations show most clearly that technical training lies at the basis of industrial prosperity? That this is true few will gainsay, and hence that state which would merit and receive the earnest support of its citizens, that state which would develop its resources to the utmost limit, and which would go forward to take its place among the leading states of the nation, must provide for the scientific training of its young men in the ranks of the engineering professions.

The State of Georgia, with its splendid Institute of Technology in Atlanta, has supplied and is still supplying capable efficient young men who may be relied upon to grapple with and successfully overcome any problem or condition of affairs in the professions of Civil, Mechanical, and Electrical Engineering.

Here however we are confronted with the question: What about the mining engineer? Why has Georgia neglected the training of her young men for the profession of mining engineering? With great blocks of low grade gold ore awaiting the discovery of improved methods of treatment, with mining properties costly to work, because out of date or needing the mechanical metallurgical skill of the efficient mining engineer, with vast acres of mineral lands and deposits as yet only scratched, with miles and miles of unprospected country, Georgia may well introduce the question mark when speaking of her mining engineers.

President Glenn and the trustees of the North Georgia Agricultural College, ever aware of the needs of Georgia, did not waste valuable time in trying to answer the question. They did better. They established a School of Mines.

Scope and Sphere of Usefulness of a School of Mines.

A mining school has several important characteristics to maintain. First, to educate scientifically and technically those who shall lead in the mining and metallurgical industries; second, to educate the public to a true sense of the value of applying scientific principles to industrial processes; third, as the University has for one of its functions the extension of human knowledge in any and all lines, so the mining school will recognize that the investigation of questons relating to the applied sciences is within its own sphere of usefulness. While the University asks no questions about the use-

fulness of the information gathered within its walls, the mining school must make its investigations in fields that are distinctly useful to the mining and metallurgical interests of the state.

It is obvious then, that the mining school to be where its usefulness cannot be questioned must be in the vicinity of the mining region of the state. The School of Mines at the North Georgia Agricultural College possesses all of the advantages of this position and as this puts the student within walking distance of mines, reduction plants, gold dredges and power plants it will not take many years before the hills of North Georgia and their immense treasures of gold will be mined with profit by students trained in the art and applying methods which they, knowing the district and all of its own peculiar characteristics, may devise.

ENTRANCE EXAMINATIONS ARE HELD IN MAY AND SEPTEMBER.

Examinations may be taken at the homes of the applicants, papers being forwarded to some responsible examiner. This applies to Freshmen and only to those living at a distance. All candidates for admission are advised to take the May examination.

The experience of the past year has shown that any student entering with less than the equivalent of a good High School course. and that, too, thoroughly mastered, has little chance for success.

ANNOUNCEMENT OF FUTURE REQUIREMENTS IN ENGLISH.

The examination in English is based on the requirements recommended by the Society for the Promoiton of Engineering Education.

The candidate will be required to write upon subjects familiar to him. His composition should be correct in spelling, punctuation, grammar, idiom, and division into paragraphs, and should be plain and natural in style. He will be judged by the manner in which he writes rather than by the quantity which he writes.

ADMISSION BEYOND ENTRANCE REQUIREMENTS.

Fire Assaying is excluded from these special or partial graduate courses, unless the student is a candidate for a degree and is regularly taking all the other work required.

The course of the Mining Department is essentially a bachelor's course. The degree given at present is E. M. (Engineer of Mines.)

THESES AND GRADUATION.

A thesis upon some practical subject is an important prerequisite to graduation.

Part of the work consists in visiting mines, dredges, power-

plants, and other works where the processes lectured upon may be seen in actual operation. Short trips of this description are frequent while once a year a longer one is arranged, usually to some noted mining section.

When any prescribed trip is undertaken, which has a practical bearing on the work of any course, the students in that course, and working for a degree to which that course is essential, shall be required to attend such trip, unless excused by a vote of the faculty.

Expeditions of this kind afford abundant opportunities for the student to collect materials suitable for memoirs and theses.

All memoirs, theses and drawings, which constitute a regular part of the school work, may be retained by the Institution and preserved as part of the permanent record of the student who executed them.

Each Senior shall submit to the faculty, not later than November the 1st, the subject of his thesis which subject must be approved by the instructor concerned. Each thesis must be typewritten or printed on eight and one half by eleven inch paper, and bound in book form.

The completed theses must be handed in not later than May fifteenth.

Theses must be completed in final form and handed to the librarian before the delivery of diplomas. No diploma will be delivered until this requirement has been met.

EXAMINATION AND RE-EXAMINATION.

All students are expected to take the full regular quota of work, pursuing in order, as time and strength shall permit, all the studies of the regular course as laid down in the schedule.

In case of enforced irregularities from natural limitations, poor preliminary training, lack of application, or sickness, the suggestion which will mainly guide the disposition of each individual case, is the principle of the logical continuity of studies, in their mutual relations of preparation and sequences.

Students should complete all Freshman studies before entering on those of the Junior year, and similarly, the Sophomore studies before entering the Senior year.

Each case will be considered on its merits, as natural exceptions and those that cannot be anticipated may present themselves. But no rule shall be so applied as to work hardship or injustice to a student, who really deserves and is fitted to anticipate the studies of a later year.

Regular examinations which all students are required to attend,

are held at the end of each term on the various subjects pursued during the term.

A condition incurred during the first term may be removed by a first re-examination, held before the end of the second term, at a regular date set for that purpose, and, in case of failure to pass by a second re-examination, held in September at a regular date set for that purpose, before the beginning of the term. Until so removed, the said condition shall remain in effect.

A condition incurred during the second term may be removed by a first re-examination held at a regular date set for that purpose, before the opening of the school in September, and in case of failure to pass, by a second re-examination, held before the end of the first term of an academic year, at a regular date set for that purpose, and until so removed, the said condition shall remain in effect.

Failure to remove any condition within a year will require that the subject be repeated in the class room.

DEPARTMENT OF MATHEMATICS.

First Term.

1 **Algebra.** The course begins with a review of some of the more fundamental portions of the subject, including Theory of Exponents, Surds, Imaginary Numbers, Simple and Quadratical Equations, together with a thorough drill in the theory and use of Determinants. Five hours per week during the first term of the Freshman year. Text: Wentworth's Algebra.
conclude with Solid. Text: Wentworth's Algebra.

4. **Plane and Solid Geometry.** From Book III in Plane through Solid. Five times per week first term Freshman year.

4. **Analytical Geometry.** The point, straight line and circle are treated quite fully, the conic sections are defined, and the general theorems (relating to tangents, normals, poles and polars, and diameters) are derived. Two hours a week during the second term of the Freshman year. Requires courses 1 and 3 in Mathematics. Text: Tanner and Allen's Analytical Geometry.

7. **Calculus.** Differential Calculus. Differentiation; also the general nature and use of Integral Calculus is explained. The expansion of functions. Partial differentiation. A discussion of tangents, asymptotes, points of inflection, etc. Lectures three hours a week during the first term of the Sophomore year. Requires courses 1, 2, 3 and 4 in Mathematics. Text: Murray's Infinitesimal Calculus.

Second Term.

2. **Algebra.** During this term the time is mainly devoted to the Theory of Equations, Probability, Series, Binomial Theorem, and the Logarithmic and Exponential Series. Five hours a week during the second term of the Freshman year. Requires course 1 in Mathematics. Text: Wentworth's Higher Algebra.

3. **Trigonometry.** Plane and spherical trigonometry, including a working knowledge of Logarithms and the use of tables. Many practical problems are given to the students to be worked out. Five hours per week during the second term of the Freshman year. Text: Well's Complete Trigonometry.

5. **Analytical Geometry.** The Conic Section. The nature of the conic corresponding to the general equation of the second degree is determined. Two hours per week during the second term of the Sophomore year. Require courses 1, 3 and 4 in Mathematics. Text: Tanner and Allen's Analytical Geometry.

6 . **Calculus.** The problem of maxima and minima of analytical functions is treated, the necessary and sufficient conditions being established in determinant form.

In Integral Calculus: general methods of integration are taken up and numerous examples worked. Then the applications of integration to plane, curves, areas, surfaces, volumes, moments of inertia, centre of mass, etc., are taken up. Lectures three hours a week during the second term of the Sophomore year. Courses 5 and 6 are required. Text: Murray's Infinitesimal Calculus.

DEPARTMENT OF PHYSICS.

First Term.

1. **Mechanics, Sound and Light.** This course is given by lectures, illustrated by experiments, and by recitations. It is required of all Sophomores. Lectures four times per week. Recitations once each week. Courses 1, 2, 3 and 4 in Mathematics required, and must be preceded or accompanied by course 7 in Mathematics. Text: Carhart's University Physics.

3. **Laboratory Course in Mechanics, Sound and Light.** Thirty experiments. Laboratory work (two sections) two afternoons per week, of an hour and a half duration. Accompanies course 1, Physics. Texts Ames and Bliss's Manual of Experiments in Physics.

Second Term.

2. **Heat and Electricity.** This course is given by lectures, illustrated by experiments, and is a continuation of course 1. Lectures five times each week. Recitation one hour per week. Courses 1, 2, 3, 4 and 7 in Mathematics required and should be preceded by

ccurse 1, Physics. Texts: Carhart's University Physics.

4. **Laboratory Course in Electricity and Heat.** Thirty quantitative experiments are performed by each student. Laboratory work, two hours per week during the second term of the Sophomore year. Accompanies course 2, Physics. Texts: Ames and Bliss's A Manual of Experiments in Physics.

DEPARTMENT OF CHEMISTRY.

1. Lectures and recitations on the theories and principles of Chemistry with special reference to their application in practical work. The typical elements are first studied at length and then the remaining elements according to the periodic grouping. Technical processes receive much attention, and the latest developments of chemical theory are discussed. A feature of the course is the attention paid to stoichiometrical calculations. The lectures are illustrated by numerous experiments and the mineralogical collections are constantly used for illustrations of the natural occurring compounds of Chemistry. Text: Richter's Inorganic Chemistry.

(The works of Remsen, Erdmann, and Roscoe and Schorlemmer are recommended for supplementary reading).

Five lectures per week throughout the Sophomore year.

5. **Quantitative Analysis.** (Laboratory Course). The course of instruction in Quantitative analysis begins with the analysis of simple salts and passes to that of more complex bodies, as ores and alloys. A varied series of determinations is required which illustrate the most important types of gravimetric methods. A large supply of carefully checked samples is available and students must show a high degree of accuracy in their work. Among some of the exercises of the course are the analysis of prolusite, dolomite, wolframite, silicates, coal, iron ore, and alloys. Text: Cairn's Quantitative Analysis. Junior year, first term, three afternoons weekly. Courses 1, 2, 3 and 4 in Chemistry are required.

7. **Quantitative Analysis.** (Lecture Course) A course of lectures on the work of course 5 and the application of chemical theory to analytical work. Junior year, one term, one hour weekly throughout the year.

9. TECHNICAL CHEMISTRY. (Lecture Course).

A course of lectures on selected topics of interest to engineers. Among other subjects, the analysis of cyanide solutions, gases, oils, paints, explosives, fuels, water, petroleum and asphalt, cements and clays, alloys, and iron and steel are taken up.

Senior year, first term, two hours weekly.

SECOND TERM.

2. GENERAL CHEMISTRY. (Lecture Course).

A continuation of course I.

Sophomore year, second term, five hours weekly.

Courses 1 and 3 in Chemistry, required.

4. QUALITATIVE ANALYSIS. (Laboratory Course).

The reaction of the important basic and acidic elements are rationally studied and their identification and separation in mixtures of varying complexity is required. In addition to the analysis of simple solutions, the analysis of ores, minerals and insoluble products is taught, and the reactions of the rare elements are taken up to some extent. Spectroscopic work forms part of the course. Every method is made to avoid mechanical work, and all students must write out the reactions and separations as they occur, and submit their notes for correction. Frequent quizzes are held and the theory of analysis is emphasized.

Sophomore year, second term, three afternoons weekly.

Text: Medicus's Qualitative Analysis (Marshall's Translation).

Courses 1, 2, and 3 in Chemistry are required.

6. QUALITATIVE ANALYSIS. (Lecture Course).

A course of lectures on the principles of Qualitative Analysis, supplementary to course 4.

Sophomore year, second term, one hour weekly.

8. QUANTITATIVE ANALYSIS. (Laboratory Course.)

This course, (which is the continuation of course 5) consists largely of exercises in Volumetric analysis, and the application of gravimetric and volumetric methods to commercial requirments. Students are especially drilled to attain speed and capacity, without interfering with accuracy. For these exercises a large number of smelters and assayers' samples are available.

Among the exercises of the course are acidimetry and alkalimetry, with the use of indicators; assay of bleaching powders and cyanide solutions; the volumetric determination of iron copper, maganese, zinc, lead and arsenic in ores and furnace products.

Junior year, second term, three afternoons weekly.

Courses 1, 2, 3, 4, 5, 6 and 7 in Chemistry are required.

10. QUANTITATIVE ANALYSIS. (Lecture Course).

A continuation of course 7, bearing chiefly on Volumetric analysis.

Junior year, second term, one hour weekly.

DEPARTMENT OF MACHINE DESIGN AND DRAFTING.

First Term.

1. **Descriptive Geometry.**—This course covers O'Byrne's Descriptive Geometry. The method of instruction is by lectures and recitations. Each student recites on every problem individually.

Two hours a week during the first term of the Freshman year.

Must be preceded or accompanied by course 3, Machine Design and Drafting.

3. **Mechanical Drawing.**—All efforts during the early part of the work are directed toward making the student thoroughly acquainted with, and exercised in, the proper use of his drawing instruments and drafting supplies in general. The work then proceeds with mechanical and free hand lettering, line shading, tinting, shading with tints, and conventional tints for different materials. There are twelve of these mechanical sheets, a title page for the mechanical sheets and a title page for the descriptive geometry sheets. These two title pages may be a part of the second term's work.

Five afternoons a week during the first term of the Freshman year.

Texts: Morris' Geometrical Drawing; Curtis and Hazard's Freshman Drawing Data.

Second Term.

2. **Descriptive Geometry.**—This course covers the tangent problems, intersection problems, shades and shadows, and isometric projections, as given in O'Byrne's Descriptive Geometry.

Second term Freshman year, two hours per week.

Course 1, Machine and Drafting is required.

Text: O'Byrne's Descriptive Geometry.

4. **Descriptive Geometry Drawing.**—This is in connection with the work in Descriptive Geometry and includes warped surfaces, surface of revolution, tangent surfaces, intersections, shades and shadows, and insometric projections.

Five afternoons per week.

Texts: O'Byrne's Descriptive Geometry; Curtis and Hazard's Freshman Drawing Data.

DEPARTMENT OF SURVEYING.

1. **Surveying.**—Instruction is given in the theory of the adjustment of the transit and level, the principles of land surveying, topographical surveying and railroad work. The theory of the Plane Table and also that of the Aneroid Barometer are given.

Plane Surveying one month at the close of the school year.

Courses 1, 2, 3, 4, 5, and 6 in Mathematics and courses 1, 2, 3, 4, 7 in Drawing required.

Texts: Johnson's Theory and Practice of Surveying; Hodgman's Field Manual; Pence and Ketchum's Surveying Manual; Nagle's Field Manual for Railroad Engineers; Searles' Railroad Spiral.

3. **Field Surveying.**—The course consists in adjusting instruments, traverse surveys, calculation of areas and distances, stadia work and the laying out of a short railway line. All the problems are platted in the office and the calculations made in a regular book kept for that purpose.

Field and office work one month at the close of the Freshman year.

This course accompanies course 1.

Second Term.

2. **Mining Surveying.**—Under this head will be considered the theory of the determination of the true meridian by means of the various solar attachments and by direct observation of the sun and of a circumpolar star; a careful discussion of the principles and methods used in locating and patenting mining claims, and in underground surveying, will be given. The lectures delivered on these subjects enter into the detail with which they are connected and touch upon the Mining Law relating to surveyors and the patenting of mining property. The remaining time will be devoted to the outlines of the subject of geodetic surveying.

Lectures twice a week during the second term of the Sophomore year.

This course requires course 1, surveying.

Texts: Johnson's Theory and Practice of Surveying; Morrison's Mining Rights.

4. **Field Surveying.**—This course includes field practice in determining the true meridian by the different methods. Each party undertakes the complete survey of a mining claim for patent, including the making of the Preliminary Plat and the writing up of the Field Notes according to the requirements of the Surveyor General's office.

The surveys of a number of available mines are made, and the proper maps and sections drawn. A base line is measured with a three hundred foot steel tape, and all corrections made so as to eliminate errors of sag, pull, temperature, and grade. On the base rests a quadrilateral whose angles are measured by the repeating method. These measured angles are adjusted and the sides computed.

Field and office work one month at the close of the Sophomore year.

This course accompanies course 2, surveying.

DEPARTMENT OF GEOLOGY AND MINERALOGY.

First Term.

1. **General Geology.**—This course embraces (a) Dynamical Geology; (b) Structural Geology; (c) Historical Geology. It is based mainly on text book work which is supplemented by lectures and illustrations, the intent being to give a fair knowledge of the principles of the subject such as an intelligent mining engineer should possess. This class-room work later in the year is further supplemented by excursions in the neighborhood.

Four hours a week during the first term of the Junior year.

Text: Le Conte's Text Book of Geology.

3. **Crystallography.**—This course is intended to give a thorough comprehension of the fundamental principles of the subject with a view to utilizing this knowledge for the practical determination of minerals. Instruction is given through lectures followed by laboratory practice, and through individual quizzes. The material presented covers the six crystal systems and most of the hemihedrial and tetrahedral divisions. The practical work embraces the study and determination of wooden crystal models to the number of about twelve hundred, and the indentification of crystal forms on about three hundred natural crystals.

Six hours a week until Christmas, during the first term of the Sophomore year.

Text: Patton's Lecture Notes on Crystallography.

5. **Blowpipe Work.**—In this course only the most characteristic relations of the more commonly occurring elements are presented, namely those which will be found necessary for the proper determination of the minerals presented in the course in Determinative Mineralogy. The blowpipe outfit for this course is furnished by the school, and is paid for by the special fee required for the complete course in mineralogy, and becomes the property of the student.

Thirty hours altogether, Sophomore year.

Courses 1, 2, 3, 4, and 6 in Chemistry required.

Texts: Moses and Parsons' Mineralogy, Crystallography and Blowpipe Analysis.

Second Term.

2. **Lithology.**—This course is based primarily on lectures which are followed by practical rock determination and excursions. The intent of the course is to give a familiarity with all the more commonly occurring rock types with ability to determine the same in the field. With object in view, the attention is directed mainly to the microscopic properties of the rocks.

Six hours a week during the second term of the Junior year.

Courses 1, 2, 3, 4 and 6 in Chemistry and courses 3 and 5 and 6 in Geology and Mineralogy are required.

Texts: Kemp's Handbook of Rocks.

4. **Economic Geology.**—This important subject which has heretofore been presented incidentally in connection with courses in mining and geology, will be placed under the Department of Geology and Mineralogy. Instruction will be given in Economic Geology, including Ore Deposits, in so far as circumstances will allow. Courses 1, 2, 3, 5 and 6 in Geology and Mineralogy are required.

6. **Systematic and Determinative Mineralogy.**—This subject is taught by means of lectures, text books and laboratory practice. in the laboratory practice each student is expected to determine and recite upon about twenty-five hundred mineral specimens, and he is supposed to become familiar with the characteristic physical properties that enable one to recognize the mineral species whereever met.

Eight hours a week for fifteen weeks during the second term of the Sophomore year.

Geology and Mineralogy are required.

Texts: Moses and Parsons' Mineralogy, Crystallography and Blowpipe Analysis.

DEPARTMENT OF MECHANICS AND CONSTRUCTION.

1. **Theoretical Mechanics.**—This course consists of the theoretical study of mechanics and materials. Statics of a material point and of rigid bodies; centers of gravity or centrodids; chains and cables; moments of inertia of plane figures; stresses and strains; tension; shearing; compression; torsion; flexure; combined torsion and flexure; elastic curves; safe loads; applications to commercial forms; oblique forces; columns; continuous beams.

Lectures and recitations three times a week during first term of the Junior year.

Courses 1, 2, 3, 4, 5, 6 and 7 of Mathematics, and 1 and 2 of Machine Design and Drafting are required.

Texts: Church's Mechanics of Engineering.

Church's Notes and Examples in Mechanics.

Cambria Steel.

Pierce's Short Table of Integrals.

Original Problems.

3. **Advanced Graphics.**—Elective.—An application of graphics to the solution of masonry problems. Right arches of masonry. Arch-ring, voussoirs, soft, intrados, extrados, spandrel, crown, key stone, rise and span. Friction. Resultant and maximum pressure. True linear arch. Load contour. Symmetrical and non-symmetri-

cal loadings on symmetrical arches. Abutments. Arch-ribs. Special Equilibrium polygon. Thrust. Shear. Moment. Angular Chance. Deflections. Graphical arithmetic. Continuous rib, free to slip on abutments. Three-hinged rib. Two-hinged rib. Continuous rib with fixed ends. Application of Prof. Eddy's Graphical Method. Temperature. Rib shortening. Variable cross sections. Scheffler's theory. Continuous girders by graphics. Thatcher's concrete steel construction with variations. Expanded metal and similar constructions.

Hours to be arranged.

Courses 1, 2, and 4 in Mechanics and Construction are required.

Texts: Church's Mechanics of Engineering. Baker's Masonry Construction.

5. (a) **Structural Details.**—Theory—Definitions and dimensions of parts. Housing notching, mortise and tenon, dove-tailing, lag screws, dowels, lugs, keys, brace blocks, nuts and washers, etc. Unit stresses, Loading, Splicing; finishing, scarfing. Deepened beam. Articulated trussed beam solved graphically and by method of "least work." Wooden roof truss; rafters, purlins, upper chord, lower chord, tie-rods, end joint, corbed, anchorage. Pin and riveted steel roof trusses.

Recitations and lectures twice a week during the first term of the Senior year.

(b) **Design.**—Tabled fish-plate joint. Plain wrought-iron fish plate joint. Deepened beam. Trussed beam. Wooden roof truss. Steel roof truss. Pin or rivet connections. Steel and masonry buildings. Wood and steel gallows frames.

Two afternoons a week during the first term of the Senior year.

Courses 1, and 4 in Mechanics and Construction are required.

Text: Howe's Roof Trusses in Wood and Steel.

Jacoby's Structural Details, sheets.

Merriman and Jacoby's Roofs and Bridges.

Cambria Steel.

Fowler's Specifications for Roofs and Buildings.

Baker's Masonry Construction.

9. **Cement Laboratory.**—Natural and Portland Cements. Cement mixing. Cement mortars. Testing cement and cement mortars for tensile and crushing strength; adhesion, soundness, fineness, setting, freezing, effect of chemicals.

One afternoon per week in squads during the first term of the Senior year.

Second Term.

2. **Theoretical Mechanics.**—Dynamics of a material point. Impact. Virtual Velocities. Centrifugal and centripetal forces. Mo-

ments of inertia of solids. Pendulums. Dynamics of rigid bodies. Work. Power. Energy. Fly-Wheels. Friction. Dynamometers. Belts.

Three hours per week, the second term of the Junior year.

Course 1 in Mechanics and Construction is required.

Texts: Same as in Mechanics and Construction is required, course 1.

Graphics.—Definition. Forcetriangle, Forcepolygon. Concurrent and non-concurrent forces. Equilibrium polygons. Pole. Rays. Special equilibrium polygon. Resultant of forces. Pier reactions. Equilibrium and force polygons for vertical loads. Vertical dimensions of equilibrium polygon. Application to simple beams with various loadings; to centers of gravity; to moments of inertia; to articulated cranes, trusses and gallows frames. Graphics of mechanism. Forward and backward motion. Efficiency. Sliding journal and "rolling friction". Mill Elevator. Wedge. Jack-screw. Engines. Ore-crusher. Friction Rollers. Chain friction. Tackles and pulleys. Ropes. Spur-gearing. Belting.

Lectures and recitations twice a week during the first term of the Junior year. Drafting four hours per week of the second term.

Course 1 in Mechanics and Construction is required.

Text: Church's Mechanics of Engineering.

Church's Notes and Examples in Mechanics.

Howe's Roof Trusses in Wood and Steel.

DEPARTMENT OF HYDRAULICS.

1. Hydraulics and Hydraulic Motors.—This course is given partly by lectures, and partly by recitations; it embraces hydrostatics, the flow over weirs, through orifices, through pipes, flumes, ditches and conduits of various forms. It also includes an elementary study of the various types of hydraulic machinery.

Three times per week for the first term Senior year.

Text: Merriman's Hydraulics and References.

2. Laboratory Course In Hydraulics.—Measurements are made of the flow over weirs, through orifices and through flumes and ditches. The determination of the approximate law of flow in pipes also forms part of the course. Water wheels are tested and the efficiency of the hydraulic ram under various conditions is determined

POWER TRANSMISSION.

This includes the transmission of power by wire rope, by compressed air and by electricity. This course is given partly by lec-

tures, and partly by recitations.

Three times a week throughout the Senior year.

Text: Bell's Electrical Power transmission and references.

DEPARTMENT OF ASSAYING.

The principles of fluxing and methods of work are taught by lectures, followed by their application in the laboratory to typical ores, silicious, barytic, pyritic, etc. The course involves thorough work in the assay of rich, medium, and low grade ores of gold, silver and lead, and the preparation of samples.

Both the sconification and crucible methods, with silver ores, are required and results compared. The results of assays by mail, nitre and roasting methods are also compared. The course includes the assay of furnace products such as mattes, slags and bullions.

One month at the close of the Junior year, or three afternoons per week during the second term of the Senior year.

2. **Assaying.**—Special course in assaying to students who have had the equivalent of Course 1.

DEPARTMENT OF MINING.

First Term.

1. **Mining.**—This course may be outlined as follows: Hoisting, under which will be considered, motive powers, ropes, gallows-frames, receptacles and safety appliances and pneumatic hoisting. Haulage; a discussion of the different systems of underground and surface transportation, including aerial ropeways. The drainage, ventilation and lighting of mines. Explosives, the theory of blasting, pointing and charging holes; methods of firing. Methods of breaking ground. Boring, diamond-drill work, and the percussion methods.

Lectures three times a week the first term of the Senior year.

Texts: Foster's Ore and Stone Mining. Ihlseng's Manual of Mining. The Coal and Metal Miner's Pocket Book.

Second Term.

2. **Mining.**—Instruction is given in methods of shaft sinking, tunneling, mine timbering and exploitation, hydraulic mining, ore deposits, mine management and the employment of labor, mine examinations sampling of ore bodies, estimation of the "Ore in Sight" and the valuation of mining properties.

This course is supplemented by trips to mining camps for the practical and detailed study of machinery and mining methods.

Lectures three times a week during the second term of the Senior year.

Texts: Poseny's The Genesis of Ore Deposits. Kemp's The Ore

Deposits of the United States and Canada. Bowie's A Practical Treatise on Hydraulic Mining.

DEPARTMENT OF METALLURGY.

The study of metallurgy begins with Junior year and continues throughout the remainder of the school course. The subject is taught by illustrated lectures, text-books, appropriate laboratory work and visits to metallurgical works where the students see and study the operations on a commercial scale.

Visits to the prominent metallurgical plants are of frequent occurrence during the last year of the course. These trips are required of all candidates for the Mining and Metallurgical degree.

First Term.

1. (a) **General Principles of Metallurgy.**—Historical sketch. The relation of Metallurgy to Chemistry. Properties of the metals, alloys, brasses and bronzes. Thermo-treatment of metals. Fuels in the solid, liquid, and gaseous state; their occurrence and manufacture.

Refractory materials, their occurrence, properties, manufacture and uses. Pyrometry and Calorimetry. Furnaces, different types used for various metallurgical operations. Blowing apparatus. Hot Blast stoves. Typical metallurgical processes. Sampling of ores and metallurgical product. Roasting of gold, silver, copper, lead, zinc, and iron ores. Metallurgy of Lead.

(b) **Ore Dressing.**—Three hours per week during the first term of the Junior year.

One afternoon per week in the Laboratory.

This course requires 1, 2, 3, 4, 5, 6, 7, 8, 10, in Chemistry. Courses 3, 5, and 6 in Mineralogy and Geology, and 1 and 2 in Assaying.

Texts and references: Roberts-Austin, Introduction to Metallurgy.

3. METALLURGY OF GOLD AND SILVER.

(a) **Metallurgy of Gold.**—Occurrence and properties. Various processes of extraction. Stamp Milling. Extraction by amalgamation. Extraction by Chlorination. Extraction by Cyaniding. Arrangements of plants and typical mills. Melting and refining of gold and parting of gold and silver bullion.

(b) **Metallurgy of Silver.**—Occurrence and properties. A general discussion of various processes for the extraction from ores. The Patio process. The Washoe process. The Combination process. The roasting and pan amalgamation. The Boss process. Wet processes. Refining of Silver bullion. Purchasing, sampling, and test-

ing of gold and silver bullion.

Lectures four hours per week during the second term of the Senior year.

This course requires courses 1 and 2, Metallurgy.

Texts and References: T. K. Rose, The Metallurgy of Gold.

Collins, The Metallurgy of Silver.

Eggleston, The Metallurgy of Silver.

Schnabel, Hand Book of Metallurgy.

Richards, Stamp Milling of Gold Ores.

Second Term.

2. **The Metallurgy of Copper.**—Smelting in reverberatory and blast furnaces. Pyritic matte smelting. Concentration of mattes by various process. Wet processes of treating mattes and ores. The study and calculation of the furnace charges, and slag. Bessemerizing. Process of refining in reverberatories and electrolytic refining.

Lectures three hours per week during the second term of the Junior year.

This course requires course 1 in Metallurgy and course 1 Assaying.

Text and References: Schnabel, Hand Book of Metallurgy.

Peters Modern Copper Smelting.

Lang, Matte Smelting.

TABULAR VIEW.

Mining Engineering.—Freshman Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Algebra (p. 31)	5		Algebra (p 32)	5	
English (p. 16)	5		English (p. 16)	5	
Geometry (p. 31)	5		Trigonometry (p 32)	5	
Des.. Geometry (p. 35)	2		Desc. Geometry (p. 35)	2	
Mech. Drawing (p. 35)		15	Desc. Drawing (p. 35)		15
Military (p. 46)		5	Military (p. 46)		5

Plane Surveying one month at close of school year.

TABULAR VIEW.

Mining Engineering—Continued. Sophomore Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Crystal. & B. P. (p. 37)	2	6	Mineralogy (p. 38)	2	6
Gen. Chemistry (p. 33)	5	5	Analyt. Geom. (p. 32)	2	
English Comp. (p. 16)	1		Calculus (p. 32)	3	
Analyt. Geom. (p. 31)	2		Qualit. Analy. (p. 34)	1	9
Calculus (p. 31)	3		Physics (p. 32)	5	2
Physics (p. 32)	5	3	Gen. Chem. (p. 33)	5	
Military (p. 46)		5	Military (p. 46)		5
			Lectures on Mine Surveying throughout second term	2	

Mine Surveying one month at close of school year.

TABULAR VIEW.

Mining Engineering—Continued.—Junior Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Quant. Analy. (p. 33)			Quant. Analy. (p. 34)		
Gravametric	1	9	Volumetric	1	9
Mechanics (p. 38) ..	3		Mechanics (p. 39) ...	3	
Metal. of Lead (p. 42)	3		Metal. of Copper (p. 43)	3	
Geology (p 37).. ...	4		Lithology (p. 37) ...	1	5
Graphics (p. 40) ...	2		Graph. Drawing (p. 40)		4
Military (p. 46) ...		5	Military (p. 46)		5

Fire Assaying one month at close of school year. (Optional).

TABULAR VIEW.

Mining Engineering—Continued.—Senior Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Struct. Drawing (p. 39		6	Thesis (p. 29)		12
Structures (p. 39) ..	2		Mining (p. 41)	3	
Econ. Geol. (p. 38)..	3		Econ. Geol. (p. 38) ..	3	
Mining (p. 41)	3		Hydraulics (p. 40) ..	3	
Elec. Power Transmission (p. 40) ...	3		Elec. Power Transmission (p. 40) ...	3	
Hydraulics (p. 40) ...	3		Assaying, fire (p. 41)		9
Tech. Chem. (p. 33)..	2		Metallurgy Gold and		
Cement. Lab. (p. 39)..		3	Silver (p. 42)	4	

If Fire Assaying has been taken at end of Junior year it is of course omitted in the last term of the Senior year.

MUSIC DEPARTMENT.

MISS ELLENE GLENN.

The music department is thoroughly modern in its requirements. From academic to concert work is taught, especial attention being given to harmony and theory.

The course is a teachers' and students' course. The requirements of the course will be specified at the beginning of the fall term.

MILITARY ORGANIZATION.

E. J. Williams, Captain 5th Infantry, U. S. A., Commandant.

Staff.

Cadet Major, W. S. Gaillard.
Battalion Adjutant, Cadet 1st Lieutenant, E. W. Davison.
Battalion Quartermaster, Cadet 2nd Lieutenant G. M. Barnes.
Battalion Sergeant Major, Cadet Sergeant, Major G. C. Mc McKibbon.
Battalion Quartermaster Sergeant, Cadet Q. M. Sergt. B. Ray.

Band.

Instructor, Prof. R. H. Wootten.
Cadet 2nd Lieutenant H. P. Alford, Commanding.
Drum Major, Cadet 1st Sergeant J. W. Findley.
Corporals, J. W. Davison and C. Gurley.

Company "A."	Captain	Company "B."
J. T. Knox	1st Lieutenant	W. L. Jackson.
A. Gaskins	2nd Lieutenant	W. E. Broach.
C. D. Burnett	1st Sergeant	J. E. Phillips.
Y. J. Simmons	Seargeant	A A. Burch.
W. A. Sims	Seargeant	J. J. Powell.
G. N. Bynum	Seargeant	M. L. Baxter.
H. E. Whelchel	Seargeant	G. P. Charters.
T. O. Galloway	Corporal	F. C. Cavender.
M. L. Stephens	Corporal	G. M. Strickland.
H. V. Johnson	Corporal	C. S. Phillips.
M. C. Gay	Corporal	T H. Hunt.
E. J. Cavender	Corporal	C. Burnett.

ADVANTAGES OF MILITARY EDUCATION.

The benefits that the student derives from military training are moral, mental and physical, and are as valuable to the citizen as to the soldier. Military instruction develops the student morally by instilling principles of patriotism, courage, obedience to law and respect for lawful authority, while military discipline enjoins correct habits of living. Military instruction aids greatly in the student's mental development by its constant demand for alertness in thought and action. By a well devised system of military drill the most sluggish mind is soon trained to respond promptly to every command.

The physical advantages derived from daily military exercise in the open air, viz: improved health, well developed physique, graceful carriage, manly address and neatness of appearance are too well known to deserve further comment. While the gymnasium and field sports aid, as a rule, in the physical development of the strong only, the military exercise extends this benefit to all.

We are making good soldiers, but we are making better citizens.

In the present age the discipline of an army differs very little form the discipline of a great industrial incorporation, and every attribute of the good soldier is appreciated and rewarded as promptly in the business world as in the army.

Instruction.

The course of instruction, theoretical and practical, in the military department is prescribed by the United States War Department, and this prescribed course is rigidly followed. The course includes:

(*a*) *Practical*—

Infantry drill, close and extended order, through the school of the battalion.

Advance and rear guard, and outposts.

The ceremonies of battalion review, inspection, parades, guard-mounting and escort of the colors.

Infantry target practice.

Instruction in first aid to the injured.

Instruction in guard duty.

Light artillery drill in the school of the cannoneer.

(*b*) *Theoretical*—

The Infantry Drill Regulations covered by the practical instruction.

The Manual of Guard Duty.

Small Arms Firing Regulations.

The articles of war.

And the following records:

Enlistment and discharge papers, including descriptive lists.
Morning reports.
Field and monthly returns.
Muster rolls.
Rosters.
Rations returns.
Requisitions.
Property returns.

In addition, lectures each year upon the following subjects:

The organization of the United States Army, including volunteers and militia.
Patrols and outposts.
Marches.
Camps and camp hygiene.
Lines and bases of operations.
Attack and defense of advance and rear guards and outposts, and convoys.

Military duty is obligatory on all male students over fifteen and under twenty-five years of age and not laboring under physical disability; ordained preachers in charge of churches are also excused, and State teachers having three years' experience taking the special Normal course. In case of disability, the fact must be certified to by the College surgeon. But every student is liable to such miliatry studies and modified military duty as he may be found capable of performing.

Uniforms.

The uniforms has been selected with a view to making it as inexpensive for the cadet as possible, and is neat and durable. An estimate of the cost of same, as given below, shows it to be far less expensive than other kinds of clothing. Arrangements have been made by which uniforms and equipment will be purchased under contract with a military furnishing house and furnished to the cadet at net cost. All uniforms must be inspected as to fit and quality and accepted by the Commandant of Cadets.

Cadets will wear the uniform at all times during the school term, and deposit to cover entire cost of same must be made at time of matriculation. It consists of the following:

Full Dress Uniform:—Dark blue cap, army pattern; dark blue blouse made of 18 oz. goods; white duck trousers and white belt and gloves.

Dress Uniform:—Cap and blouse and gloves same as full dress uniform; cadet grey trousers, made of 22 oz. goods.

Fatigue Uniform:—Campaign hat; chambray shirt; jeans trousers and brown duck leggings. (This uniform subject to change

which will increase cost of same very slightly, if any).

Expenses.

Dress Uniform	$14.00
2 pairs white duck trousers for full dress	2.50
White belt and ½ dozen pairs white gloves	0.75
1 Campaign hat	1.00
½ dozen chambray shirts	2.00
1 pair jeans trousers	0.75
1 pair leggings	0.40
½ dozen standing collars	0.75
Total cost of uniform clothing for one year	$22.65

The dress uniform can be easily made to answer for two years use, and the only additional expense for uniform clothing would be the slight cost for extra fatigue uniform. To the above list of expense should be added the cost of an annual encampment of about $3.00, which encampment, lasting one week, will be arranged for if practicable.

ENTRANCE REQUIREMENTS.

In view of the dormitory system of boarding and the military system of discipline prevailing in the college, no student under fifteen years of age will be permitted to enter college unless under the care of parents or relatives in the community.

All applicants for Sub-Freshman B and A Classes will be required to stand written examinations in English, Mathematics, and United States History similar to the specimen examinations printed in the catalogue.

All entrance examinations will be held during the two first days of the fall term.

Specimen Test in English Grammar, For Entrance to Sub-Freshman B. Class.

1. Name the parts of speech, giving an example of each.
2. What are the parts of a sentence?
3. What is the difference between a phrase and a clause?
4. Write an interrogative sentence containing an adverb.
5. How can you tell when a word is a noun? a verb? a pronoun? a proper noun?
6. What does the possessive case do?
7. Decline the pronoun *I*, the noun *boy*.
8. Write a sentence containing a conjunction.
9. Write a phrase containing a preposition.
10. Tell in a few lines how much grammar you have studied, and why you found it a hard study, signing your name, and dating your paper.

Specimen Examination in English Grammar, For Entrance to Sub-Freshman A Class.

1. Explain and illustrate transitive and intransitive verbs.
2. Explain how the regular or new conjugation, and the irregular or old conjugation are formed. Illustrate.
3. Give principal parts of ride, throw, burst, lie, fly, flee.
4. Explain and illustrate the active and the passive voice.
5. Give construction of following underlined words: (a) That cadet has become a **captain.** (b) Now, **doctor,** please tell **us** a story. (c) He waited an **hour** for the note and then went **home.**
6. Explain fully the following infinitives: (a) I want to buy some books. (b) Writing letters to her was a pleasure. (c) He gained the prize by running the race.
7. Explain the following participle: (a) I watched the man climbing the hill.
8. Name and illustrate the classes of adverbs.

9. Analyze briefly:
   (a) I know when he entered college.
   (b) This book that my sister gave me is the life of Lee.
   (c) I heard that the lecture was very interesting.

Specimen Test in United States History, For Entrance to Sub-Freshman B Class.

1. What European nations made settlements in the New World, and in what parts?
2. What great wars were fought during the past history of our country?
3. Name as many as you can of the original thirteen colonies?
4. What do you know of the settlement of Georgia?
5. Tell what you know of the following:
   Jefferson, Andrew Jackson, Lincoln.
6. Narrate some famous naval battle in the history of America.
7. What do you know about William Penn? Patrick Henry? Daniel Webster?
8. Tell an incident in the life of Stonewall Jackson.

Specimen Examination in United States History, For Entrance to Sub-Freshman A Class.

1. In what part of North America were settlements made by Spaniards? the French? the English?
2. Who were the Puritans?
3. Narrate the settlement of Virginia, of Georgia.
4. Summarize the causes of the Revolutionary War.
5. Tell what you know of the Constitutional Convention.
6. Describe the life of the New England Colonists as compared with that of the Southern Colonists.
7. What is meant by the Alien and Sedition laws?
8. Explain the Monroe Doctrine, the Spoils System.
10. What was the Missouri Compromise? the Fugitive Slave Law? Nullification?
11. Explain the Valley Campaign, the Seven Days Fighting around Richmond.
12. What were the three plans for reconstruction?
13. Narrate the impeachment of President Johnson.
14. What was the Centennial Exhibition?
15. Give the causes of the Spanish-American War.

Answer any ten questions.

Specimen of Entrance Examination B Mathematics.

1. Find the value of $25 \times 4 \times 3 - 6 + 6 + 9$.
2. Find the product of 703x513.

3. Find the quotient by short division of 4306 ÷ 7.

4. Find the quotient by long division of 33943 ÷ 91.

5. What are the prime factors of 9170?

6. Find the least common multiple of 18, 27, 32.

7. Add ⅔, ⅜, 5-24, 7-12.

8. Find the value of 12⅕—3 2-19.

10. Multiply 3⅔ by 2½.

11. What is a decimal fraction?

12. What is the effect of prefixing a decimial cipher to a decimal?

12. What is the effect of prefixing a decimal cipher to a de-

15. Reduce .024⅔ to a common fraction.

16. From .9 take .009.

17 Multiply 7.23 by .0156.

18 Divide .014274 by .061.

19. Write decimally fifty dollars, two dimes, four cents, three and one-half mills.

20. Multiply $24.585 by .025.

CONDENSED SCHEDULE OF COURSES.

Figures opposite subjects refer to number of hours per week.

SUB-FRESHMAN B CLASS—ALL COURSES.

1st Term.		2nd Term.	
English	5	English	3
History	5	History	2
Mathematics	5	Science	5
Latin	5	Mathematics	5
		Latin	5

SUB-FRESHMAN A CLASS—ALL COURSES.

1st Term.		2nd Term.	
English	5	English	5
History	3	History	5
Mathematics	5	Mathematics	5
Phys.-Geog.	5	Latin	5
Latin	5	Elemen.-Phys.	3

SHORT COURSES.

FRESHMAN CLASS.

B. Ped. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	History	5
Science	5	Science	5
Pedagogy	2	Latin	5
History	5	Pedagogy	2

B. B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
History	5	History	5
Bookkeeping	5	Bookkeeping	5
Typewriting	5	Typewriting	5
Penmanship	5	Penmanship	5

Two Year Course in Agriculture.

First Term.		Second Term.	
English	5	Mathematics	5
Mathematics	5	English	5
Science	5	Science	5
Elemen. Agriculture	3	Elemen. Agriculture	3
Drawing	2	Drawing	2

SOPHOMORE CLASS.

B. Ped. Course.

First Term.		Second Term.	
English	5	English	5
Latin	5	Latin	5
Mathematics	5	History	3
History	3	Mathematics	5
Science	5	Science	5
Pedagogy	2	Pedagogy	2

B. B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
History	3	History	3
Bookkeeping	5	Bookkeeping	5
Shorthand	5	Shorthand	5
Typewriting	5	Typewriting	5

Two Year Course in Agriculture. (Graduate Year).

First Term.		Second Term.	
Mathematics	5	Mathematics	5
Science	5	Science	5
Soils, Breeds and Breeding	3	Soils, Breeds and Breeding	3
Bookkeeping	3	Geol., Manures, Fertilizers	3
Geol., Manures, Fertilizers	3	Stock judging, propagation and care of plants	2
Stock judging, propagation and care of plants	2	Horticulture	3
Horticulture	3		

JUNIOR CLASS.

B. Ped Course. (Graduate Year).

First Term.		Second Term.	
English	3	English	3
Ethics	2	Ethics	2
Psychology	3	Psychology	3
Pedagogy	2	Pedagogy	2
Science	5	Science	5
Economics	5	Economics	5

B. B. S. Course. (Graduate Year).

First Term.		Second Term.	
English	3	English	3
Banking	5	Banking	5
Shorthand	5	Shorthand	5
Commercial Law	5	Commer. Geog.	5
Typewriting	5	Typewriting	5
Commercial Arith.	5	Commercial Arith.	5

LONG COURSES.

FRESHMAN CLASS.

A. B. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
History	5	History	5

B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
History	5	History	5
Science	5	Science	5

B. S. in Agr. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
Elemen. Agriculture	3	Elemen. Agriculture	3
Science	5	Science	5

E. M. Course.

First Term.			Second Term.		
English	5		English	5	
Algebra.	5		Algebra.	5	
Geometry	5		Trigonometry	5	
Descrip. Geom.	2		Descrip. Geom.	2	
Mech. Drawing		15	Descriptive Drawing		15

SOPHOMORE CLASS.

A. B. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
History	3	History	3
or			
Science	5		

B. S. Course.

First Term.		Second Term.	
English	5	English	5
Latin or French	5	Latin or French	5
Mathematics	5	Mathematics	5
Science	5	Science	5
History	3	History	3

B. S. in Agr. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
Soils, Breeds and Breeding	3	Soils, Breeds and Breeding	3
Science	5	Science	5
Surveying	2	Surveying	2

E. M. Course.

First Term.			Second Term.		
Crystallog and B. P.	1	5	Mineralogy	2	6
Gen Chem.	5	5	Analytical Geom.	2	
Eng. Comp	1		Calculus	3	
Analytical Geom.	2		Qual. Analysis	1	9
Calculus	3		Physics	5	2
Physics	5	3	Gen. Chemistry	5	
			Lectures on Mine Surveying	2	

JUNIOR CLASS.

A. B. Course.

First Term.		Second Term.	
English	3	English	3
Philosophy	2	Philosophy	2
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
Science	5	Science	5

B. S. Course.

First Term.		Second Term.	
English	3	English	3
Latin or French	5	Philosophy	2
Mathematics	5	Mathematics	5
Science	5	Latin or French	5
History	2	History	2
Philosophy	2	Science	5

B. S. in Agr. Course.

First Term.		Second Term.	
Eng., Hist., French or Latin	5	Eng., Hist., French or Latin	5
Botany and Geology	3	Botany and Geology	3
Grasses, Forage Crops	3	Grasses, Forage Crops	3
Hort., Econ., Entomol.	3	Hort., Econ., Entomol.	3
Propagation and care of Plants	2	Propagation and care of Plants	2
Stock Judging, etc.	2	Stock Judging, etc.	2
Soil Physics	2	Soil Physics	2

E. M. Course.

First Term.			Second Term.		
Quant. Analysis	1	9	Quant. Analysis	1	9
Mechanics	3		Mechanics	3	
Metallurgy of Lead	3		Metallurgy of Copper	3	
Geology	4		Lithology	1	5
Graphics	2		Graphics, Drawing		4

SENIOR CLASS.

A. B. Course.

First Term.		Second Term.	
English	5	English	5
Philosophy	3	Philosophy	3
Science	3	Science	3
Latin	2	Latin	2
Economics	5	Economics	5

B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Science	5	Science	5
Economics	5	Economics	5

B. S. in Agr. Course.

First Term.		Second Term.	
Eng., Hist., French or Latin	5	Eng., Hist., French or Latin	5
Bookkeeping, Econom.	3	Bookkeeping, Econom.	3
Vegetable and Landscape Gardening	3	Vegetable and Landscape Gardening	3
Forest and Entomology	3	Forest and Entomology	3
Rural Eng., Manures and Fertilizers	2	Rural Eng., Manures and Fertilizers	2
Hist. of Agriculture	3	Hist. of Agriculture	3

E. M. Course.

First Term.			Second Term.		
Structural Drawings.. ..		6	Thesis...		12
Structures	2		Mining	3	
Econ. Geology...	3		Econ. Geology...	3	
Mining	3		Hydraulics	3	
Elect. Power Transmission	3		Elect. Power Transmission	3	
Hydraulics	3		Assaying, fire...		9
Technical Chem.	2		Metallurgy, gold and ...		
Cement Laboratory... ..		3	silver	4	

ROLL OF STUDENTS 1905-'06.—Those marked 1, 2, 3, 4, 5, 6 belong respectively to Senior, Junior, Sophomore, Freshman, Sub-Freshman, A and B.

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Alexander, D. C., 6	Atlanta	Fulton	Ga.	Merchant	City
Alford, H. P., 4	Columbia	Houston	Ala.	Farmer	Town
Anderson, L. J., 6	Dawsonville	Dawson	Ga.	Farmer	Country
Anderson, Pearle, 4	Dahlonega	Lumpkin	Ga.	Merchant	Town
Ash, H. M., 6	Loudsville	White	Ga.	Farmer	Country
Barnes, G. M., 1	Bullochville	Meriwether	Ga.	Farmer	Country
Baxter, M. L., 4	Pine Ridge	Shannon	S. D.	Gov. official	Town
Bell, Dover, 5	Roopville	Carroll	Ga.	Farmer	Country
Bennett, C. A., 5	Murrayville	Hall	Ga.	Farmer	Country
Bennett, Fannie, 6	Murrayville	Hall	Ga.	Farmer	Country
Bennett, Nora, 6	Murrayville	Hall	Ga.	Farmer	Country
Berrong, F. P., 5	Hiawassee	Towns	Ga.	Merchant	Town
Black, J. D., 5	Dawsonville	Dawson	Ga.	Merchant	Country
Bond, E. R., 4	Iva	Anderson	S. C.	Farmer	Country
Boyer, A. S., 4	Hawkinsville	Pulaski	Ga.	Merchant	Town
Bratton, John, Jr., 5	Atlanta	Fulton	Ga.	Editor	City
Broach, H. C., 6	Campton	Walton	Ga.	Farmer	Country
Broach, W. E., 1	Campton	Walton	Ga.	Farmer	Country
Brooksher, C. J., 5	Dahlonega	Lumpkin	Ga.	Merchant	Town
Brooksher, Carrie, 5	Dahlonega	Lumpkin	Ga.	Merchant	Town
Brown, R. A., 6	Atlanta	Fulton	Ga.	Merchant	City
Brown, Clarence, 4	Wadley	Jefferson	Ga.	Farmer	Country
Brownlee, C. H., 5	Plainville	Gordon	Ga.	Merchant	Town
Buchanan, C. T., 4	Jackson	Butts	Ga.	Merchant	Town
Burch, A. A., 3	Alamo	Montgomery	Ga.	Merchant	Town
Burgamy, E. F., 6	Macon	Bibb	Ga.	Machinist	City
Burgamy, Hardy, 6	Macon	Bibb	Ga.	Machinist	City
Burnett, Carl, 4	Tennille	Washington	Ga.	Farmer	Town
Burnett, C. D., 1	Tennille	Washington	Ga.	Farmer	Town
Bynum, G. N., 4	Pine Mountain	Rabun	Ga.	Farmer	Country

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Cates, A. L., 4	Youley	Jenkins	Ga.	Farmer	Country
Castleberry, V. W., 5	Dahlonega	Lumpkin	Ga.	Hotel keeper	Town
Cavender, E. J., 4	Murrayville	Hall	Ga.	Doctor	Country
Cavender, F. C., 4	Murrayville	Hall	Ga.	Doctor	Country
Cavender, Nellie, 5	Murrayville	Hall	Ga.	Doctor	Country
Cavender, T. M., 5	Murrayville	Hall	Ga.	Doctor	Country
Chambers, J. R., 6	Waleska	Cherokee	Ga.	Agent	Town
Charters, G. P., 3	Dahlonega	Lumpkin	Ga.	Lawyer	Town
Cheney, J. F., 6	Ellaville	Schley	Ga.	Doctor	Town
Clyatt, J. J., 5	Tifton	Tift	Ga.	Naval stores	Town
Coleman, J. T., 4	Lyons	Toombs	Ga.	Merchant	Town
Collins, W. M., 5	Savannah	Chatham	Ga.	Merchant	City
Cooper, H. O., 6	Monroe	Walton	Ga.	Farmer	Town
Couch, T. O., 5	Honey Grove	Fannin	Tex.	Farmer	Country
Cox, C. G., 4	Ellijay	Gilmer	Ga.	Merchant	Town
Craig, Mattie E., 6	Dahlonega	Lumpkin	Ga.	Lawyer	Town
Crawford, Henry, 4	Lavonia	Franklin	Ga.	Farmer	Town
Creel, J. E., 5	Riverdale	Clayton	Ga.	Farmer	Country
Crenshaw, Emma, 6	New Bridge	Hall	Ga.	Merchant	Country
Crowder, T. H., 1	Newnan	Coweta	Ga.	Farmer	Country
Dancy, D. Y., Jr., 6	Savannah	Chatham	Ga.	Merchant	City
Daniel, W. J., 5	Eastman	Dodge	Ga.	Stock dealer	Town
Dasher, A. L., Jr., 4	Macon	Bibb	Ga.	Lawyer	City
Davidson, A. R., 4	Gabbettsville	Troup	Ga.	Farmer	Country
Davidson, E. W., 1	Atlanta	Fulton	Ga.	Merchant	City
Davidson, J. W., 4	Atlanta	Fulton	Ga.	Merchant	City
Davis, R. C., 5	LaGrange	Troup	Ga.	Farmer	Country
DeWald, C. R., 6	Atlanta	Fulton	Ga.	Broker	City
Dodd, P. G., 4	Atlanta	Fulton	Ga.	Merchant	City
Edwards, R. N., 6	Shoal Creek	Hart	Ga.	Merchant	Country

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Elkan, Julius, 4	Brunswick	Glynn	Ga.	Merchant	City
Elliott, Emma, 6	Dawsonville	Dawson	Ga.	Farmer	Country
Elliott, E. M., 5	Bright	Dawson	Ga.	Farmer	Country
Elliott, H. B., 6	Dawsonville	Dawson	Ga.	Farmer	Country
England, C. F., 5	Dahlonega	Lumpkin	Ga.	Clerk	Town
England, J. F., 5	Dahlonega	Lumpkin	Ga.	Clerk	Town
Estes, H. G., 5	Atlanta	Fulton	Ga.	Merchant	City
Evans, Lula, 5	Dahlonega	Lumpkin	Ga.	County official	Town
Evans, Mary, 6	Dahlonega	Lumpkin	Ga.	County official	Town
Evan, Sandie F., 6	Gillsville	Banks	Ga.	Farmer	Country
Findley, J. W., 3	Dahlonega	Lumpkin	Ga.	Farmer	Town
Floyd, J. S., 6	Montrose	Laurens	Ga.	Farmer	Country
Fry, Marion, 6	Dahlonega	Lumpkin	Ga.	Min. Eng.	Town
Fulwood, P. D., 6	Tifton	Tift	Ga.	Lawyer	Town
Gaillard, Wier S., 1	Dahlonega	Lumpkin	Ga.	Teacher	Town
Gaines, H. M., Jr., 5	Atlanta	Fulton	Ga.	R. R. cond.	City
Galloway, T. O., 4	Elberton	Elbert	Ga.	Farmer	Country
Gann, N. S., 6	Brunswick	Glynn	Ga.	Doctor	City
Garner, H. P., 5	Buford	Gwinnett	Ga.	Merchant	Town
Gaskins, Alvah, 2	Nashville	Berrien	Ga.	Farmer	Country
Gay, M. C., 4	Sharptop	Cherokee	Ga.	Farmer	Country
Gibson, F. E., 6	Riverdale	Clayton	Ga.	Farmer	Country
Glenn, Lillian, 5	Dahlonega	Lumpkin	Ga.	Teacher	Town
Glenn, Louise, 5	Dahlonega	Lumpkin	Ga.	Teacher	Town
Gould, J. W., 6	Gainesville	Hall	Ga.	Merchant	Town
Graham, G. A., 5	McRae	Telfair	Ga.	Farmer	Country
Grantham, E. L., 6	Douglas	Coffee	Ga.	Farmer	Country
Green, W. P., 6	Conyers	Rockdale	Ga.	Doctor	Town
Gurley, Crawford, 4	Dahlonega	Lumpkin	Ga.	Merchant	Town
Gurley, Lula, 6	Dahlonega	Lumpkin	Ga.	Carpenter	Town

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Harris, E. J., 4	Bethlehem	Walton	Ga.	Farmer	Town
Head, N. C., 5	Dahlonega	Lumpkin	Ga.	Farmer	Country
Henderson, F. H., 6	Chickamauga	Catoosa	Ga.	Farmer	Country
Henderson, J. F., 4	Chickamauga	Catoosa	Ga.	Farmer	Country
Hendrix, A. L., 5	Gaddistown	Union	Ga.	Farmer	Country
Hendrix, Vianna, 6	Gaddistown	Union	Ga.	Farmer	Country
Hicks, A. G., 5	Dublin	Laurens	Ga.	Doctor	Town
Hightower, Grace, 5	Dahlonega	Lumpkin	Ga.	Lumberman	Town
Houk, S. C., Jr., 4	Senoraville	Gordon	Ga.	Farmer	Country
Hoyt, W. O., 5	Sumter	Sumter	S. C.	Jeweler	Town
Huie, I. L., 5	Riverdale	Clayton	Ga.	Farmer	Town
Huie, R. G., 5	Riverdale	Clayton	Ga.	Farmer	Town
Hunt, T. H., 4	Chickamauga	Walker	Ga.	Farmer	Country
Jackson, Maud, 4	Dahlonega	Lumpkin	Ga.	Merchant	Town
Jackson, W. L., 1	Stockbridge	Rockdale	Ga.	Farmer	Country
Jarrard, Lizzie, 6	Porter Springs	Lumpkin	Ga.	Farmer	Country
Johnson, H. V., 4	Blue Ridge	Fannin	Ga.	Farmer	Country
Johnson, Mary, 5	Dahlonega	Lumpkin	Ga.	Miner	Town
Kent, Horace, 5	Butts	Emanuel	Ga.	Farmer	Country
Knight, C. H., 6	Milltown	Berrien	Ga.	Farmer	Country
Knox, J. T., 1	Westminster	Oconee	S. C.	Farmer	Country
Lazenby, E. K., 6	Thomson	McDuffee	Ga.	Farmer	Country
Lee, M. B., 5	Dahlonega	Lumpkin	Ga.	Farmer	Country
Logan, J. E., 6	Americus	Sumter	Ga.	Doctor	Country
Lord, J. H., Jr., 5	Dublin	Laurens	Ga.	Merchant	Town
Lunsford, J. R., 3	Hiawassee	Towns	Ga.	Farmer	Country
Maddox, W. B., 5	Dalton	Whitfield	Ga.	Lawyer	Town
Malsby, H. I., 6	Atlanta	Fulton	Ga.	Machinist	City
Martin, E. A., 5	Lula	Hall	Ga.	Merchant	Town
Martin, R. J., 6	Lula	Hall	Ga.	Merchant	Town

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Mason, H. W., 6	Decatur	DeKalb	Ga.	Merchant	Town
Matthews, L. A., Jr., 6	Dublin	Laurens	Ga.	Merchant	Town
McClendon, J. L., 6	Newnan	Coweta	Ga.	Lawyer	Town
McClung, J. L., 4	Dawson	Terrell	Ga.	Farmer	Town
McClure, J. A., 6	Dawsonville	Dawson	Ga.	Merchant	Country
McDonald, H. A., 5	Atlanta	Fulton	Ga.	Merchant	Town
McDonald, W. B., 6	Pendergrass	Jackson	Ga.	Farmer	Country
McDonald, Rosa, 5	Dahlonega	Lumpkin	Ga.	Carpenter	Country
McDuffie, W. B., 6	McRae	Telfair	Ga.	Naval stores	Town
McGee, F. K., 5	Oculus	White	Ga.	Teacher	Country
McGee, J. H., 6	Gainesville	Hall	Ga.	Teacher	Country
McGee, T. F., 6	Dahlonega	Lumpkin	Ga.	Merchant	Town
McGuire, Fannie, 4	Dahlonega	Lumpkin	Ga.	Merchant	Town
McKibben, G. C., 1	Elgin	Butts	Ga.	Farmer	Country
McLean, C. G., 6	Metter	Bullock	Ga.	Dentist	Town
McWilliams, R. M., 5	LaFayette	Walker	Ga.	Farmer	Country
Meaders, Louie, 6	Dahlonega	Lumpkin	Ga.	Mail cont.	Town
Miller, J. F., 6	Gaddistown	Union	Ga.	Farmer	Country
Miller, Jas. T., 5	Edgewood	DeKalb	Ga.	Merchant	Town
Miller, Nellie, J., 6	Gaddistown	Union	Ga.	Farmer	Country
Miller, Orme, 6	Edgewood	DeKalb	Ga.	Merchant	Town
Mooney, Rex B., 4	Atlanta	Fulton	Ga.	R. R. cond.	City
Moore, Irene, 4	Dahlonega	Lumpkin	Ga.	Merchant	Town
Moore, R. V., 1	Dahlonega	Lumpkin	Ga.	Merchant	Town
Morgan, Guy, 6	Atlanta	Fulton	Ga.	Drummer	City
Morgan, Hugh F., 6	Atlanta	Fulton	Ga.	Drummer	City
Myers, Chas. A., 6	Dahlonega	Lumpkin	Ga.	Lawyer	Town
Myers, Lelia, 6	Dahlonega	Lumpkin	Ga.	Lawyer	Town
Myers, Z. D., 6	Norcross	Gwinnett	Ga.	Merchant	Town
Neal, Harry, 5	Shiloh	Harris	Ga.	Merchant	Town

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Nolley, Geo. W., 6	Atlanta	Fulton	Ga.	Cashier	City
Oliver, R. E., 6	Savannah	Chatham	Ga.	Farmer	Country
Parrish, Bennie, 6	Metter	Bullock	Ga.	Farmer	Town
Patterson, J. B., 6	Atlanta	Fulton	Ga.	R. R. cond.	City
Pfeffer, Fred, 4	Gainesville	Hall	Ga.	Brickmaker	City
Phillips, B. H., 4	Pierceville	Fannin	Ga.	Merchant	Country
Phillips, C. S., 4	Pierceville	Fannin	Ga.	Merchant	Country
Phillips, J. E., 1	Pierceville	Fannin	Ga.	Merchant	Country
Pierce, J. B., 5	Murrayville	Hall	Ga.	Farmer	Country
Porter, P. C., 6	Silver Creek	Floyd	Ga.	Merchant	Country
Powell, J. J., 5	Gainesville	Hall	Ga.	Merchant	Country
Ray, Bruce, 3	Newport	Fannin	Ga.	Farmer	Country
Ray, Clark, 5	Newport	Fannin	Ga.	Farmer	Country
Ray, H. L., 4	Norcross	Gwinnett	Ga.	Manufacturer	Town
Reynolds, W. W., Jr.,6	Atlanta	Fulton	Ga.	Painter	City
Rice, G. E., 5	Flowery Branch	Forsyth	Ga.	Farmer	Country
Roberts, W. A., 6	Greensboro	Hale	Ala.	Drummer	Town
Sargent, J. B., 5	Stag	Lumpkin	Ga.	Farmer	Country
Sargent, J. L., 5	Stag	Lumpkin	Ga.	Farmer	Country
Satterfield, Belle, 6	Dahlonega	Lumpkin	Ga.	Farmer	Country
Satterfield, Gertrude, 6	Dahlonega	Lumpkin	Ga.	Farmer	Country
Saunders, J. M., 6	Woodbury	Meriwether	Ga.	Teacher	Town
Scott, C. G., 5	Canton	Cherokee	Ga.	Farmer	Country
Shahan, Craig, 5	Villanow	Walker	Ga.	Merchant	Country
Shahan, Henry, 5	Villanow	Walker	Ga.	Merchant	Country
Shed, Lizzie, 3	Jefferson	Jackson	Ga.	Preacher	Country
Sheldon, E. W., 6	Atlanta	Fulton	Ga.	Cashier	City
Simmons, Y. J., 1	Gainesville	Hall	Ga.	Farmer	Country
Simon, E. H., 5	Atlanta	Fulton	Ga.	Merchant	City
Simon, H. H., 4	Atlanta	Fulton	Ga.	Merchant	City

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Sims, J. B., 6	Statham	Oconee	Ga.	Farmer	Country
Sims, W. A., 4	Statham	Oconee	Ga.	Farmer	Country
Sims, Wm., Alton, 6	Atlanta	Fulton	Ga.	Merchant	City
Smiley, J. G., 4	Plainville	Gordon	Ga.	Superintendent	Town
Smith, E. R., 5	Midville	Emanuel	Ga.	Farmer	Country
Smith, J. O. F., 5	Tennille	Washington	Ga.	Farmer	Country
Smith, R. D., 5	Gainesville	Hall	Ga.	Farmer	Country
Smith, W. C., 6	Gainesville	Hall	Ga.	Merchant	Town
Speer, Gwyn, 6	Atlanta	Fulton	Ga.	Drummer	City
Speer, Howard, 6	Atlanta	Fulton	Ga.	Drummer	City
Stanton, Frances, 5	Dahlonega	Lumpkin	Ga.	Merchant	Town
Stearns, R. E., 3	Talking Rock	Pickens	Ga.	Doctor	Town
Stephens, M. L., 4	Franklin	Heard	Ga.	Farmer	Country
Stevens, R. L., 6	Cornelia	Habersham	Ga.	State officer	Country
Strickland, G. M., 1	Dahlonega	Lumpkin	Ga.	Merchant	Town
Tanner, E. H., 6	Douglas	Coffee	Ga.	Turp. opr.	Town
Tatum, W. H., 4	Nelson	Pickens	Ga.	Farmer	Country
Taylor, Pearl, 6	Dawsonville	Dawson	Ga.	Farmer	Town
Thaxton, G. C., 4	Jackson	Butts		Blacksmith	Town
Thomas, May, 6	Dahlonega	Lumpkin	Ga.	Merchant	Town
Timmons, W. W., Jr.,6	Tifton	Tift	Ga.	Naval stores	Town
Tucker, W. R., 6	Dawsonville	Dawson	Ga.	Farmer	Town
Underwood, J. F., 6	Maysville	Banks	Ga.	Doctor	Town
Vaughn, Paul W., 5	Dahlonega	Lumpkin	Ga.	Carpenter	Town
Veal, G. C., 6	Roopville	Carroll	Ga.	Merchant	Town
Veal, J. A., 6	Carrollton	Carroll	Ga.	Farmer	Country
Whelchel, H. E., 3	Price	Hall	Ga.	Farmer	Country
Whelchel, R. F., 6	Price	Hall	Ga.	Farmer	Country
Whitley, A. B., 4	Lithonia	DeKalb	Ga.	Cattle dealer	Town
Williams, M. C., 5	Dahlonega	Lumpkin	Ga.	Merchant	Town
Willingham, E. D., 4	Atlanta	Fulton	Ga.	Manufacturer	City
Wingfield, J. G., 6	Marietta	Cobb	Ga.	Drummer	Town

SUMMARY.

Total Attendance for the Year	210
States Represented	5
Counties of Georgia Represented	59
Farmers' Children Represented	82
Merchants' Children Represented	57
Lawyers' Children Represented	8
Doctors' Children Represented	11
Teachers' Children Represented	6
Other Avocations' Children Represented	46
Those Living in the Country	92
Those Living in the Towns	89
Those Living in the Cities	29
Male Students	180
Female Students	30

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Bates, M. G.	Atlanta, Tex.	Teacher	1875-1878	Murray Co.	1878	Was Supt. of School at Ft. Worth
Coffee, R. N.	Texas.	Lawyer	1875-1878	Gordon Co.	1878	
Collier, G. W.	Atlanta, Ga.	Merchant	1875-1878	Fulton Co.	1878	
Crvsselle, W. F.	Atlanta, Ga.	Journalist	1875-1878	Fulton Co.	1878	Prof. in N. G. A. C. several years.
Earl, E. B.*		Teacher	1875-1878	Floyd Co.	1878	
Gray, J. R.	Atlanta, Ga.	Journalist Lawyer	1876-1878	Bartow Co.	1878	Editor of Atlanta Journal.
Harris, W. D.	Fort Worth, Tex.	Lawyer	1875-1878	Murray Co.	1878	Judge.
Lewis, Miss Willie* (Mrs. Littlefield)			1873-1878	Lumpkin Co.	1878	
Starr, O. N.	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator.
Starr, Trammell*	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator.
Abernathy, J. H.		Teacher Merchant	1878-1879		1879	
Henley, J. W.	Jasper county.	Lawyer	1875-1879	Murray Co.	1879	County School Commissioner.
Chapman, Miss Lizzie	Cuba, Ga.	Teacher	1874-1879	Lumpkin Co.	1879	
Gaillard, J. J.	Macon, Ga.	Civil Eng.	1873-1880	Spalding Co.	1889	Chief Engineer G. S. & F. R. R.
Lewis, Mary R. (Mrs. W. F. Crusselle)	Atlanta, Ga.		1873-1880	Lumpkin Co.	1880	
Wilson, H. E.	Savannah, Ga.	Lawyer	1877-1880	Effingham Co.	1880	(high schools.
Wilson, W. S.	Savannah, Ga.	Physician	1877-1880	Effingham Co.	1880	Prof. in N. G. A. C. and several
Watt, C. E.	Camilla, Ga.	Farmer	1877-1881	Forest, Ala.	1881	Won Stevens' Medal in Military.
Power, C. G.	Culloden, Ga.	Teacher	1878-1881	Cobb Co.	1881	Stevens' Medal for best record.
Davis, Sallie G.*			1873-1881	Lumpkin Co.	1881	
McDaniel, Mrs. Fannie			1880-1881	Carroll Co.	1881	
Hutchins, Mrs. Lizzie	Early, S. C.		1873-1881	Lumpkin Co.	1881	
Henderson, Calvin	Ark.	Teacher	1880-1882	Paulding Co.	1882	
Stow, M. N.	Dawsonville, Ga.	Physician	1876-1882	Lumpkin Co.	1882	Mayor of Dawsonville, Ga.
Peeples, L. C.	Dawson county.		1880-1882	Terrell Co.	1882	
Mann, W. E.	Ringgold, Ga.	Lawyer	1880-1882	Floyd Co.	1882	Senator.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Napier, G. M.	Monroe, Ga.	Lawyer	1880-1882	Walker Co.	1882	Journalist; Judge Advocate General
Chapman, F. T.*			1874-1883	Lumpkin Co.	1883	and Orator.
Fricks, N. A.			1880-1883	Franklin Co.	1883	(tatives. Once Member House of Represen-
Jones, W. F.	Elberton, Ga.	Teacher	1881-1883	Troup Co.	1883	Lt. Col. in Georgia Militia.
Key, W. H.	Alabama.	Lawyer	1880-1883	Banks Co.	1883	
Stanton, M. W.	El Paso, Texas.	Lawyer	1881-1883	Gordon Co.	1883	
Willis, G. T.*		Clerk	1880-1883	Jackson Co.	1883	
Boyd, J. W.	Dahlonega, Ga.	Teacher	1880-1884	Dahlonega, Ga.	1884	Prof. Young Harris. Now Prof. of
Coleman, E. W.	Canton, Ga.	Lawyer	1880-1884	Talking Rock, Ga.	1884	Math. at N. G. A. C.
Coleman, W. S.	Cedartown, Ga.	Journalist	1880-1884	Talking Rock, Ga.	1884	Ed. Cedartown Standard and Pres. Ga.
Martin, W. C.	Dalton, Ga.	Lawyer	1881-1884	Spring Place, Ga.	1884	Weekly Press Asso.
Wardlaw, J. A.	Chattanooga, Tenn.	Merchant	1882-1884	Chattanooga, Tenn.	1884	
Wills, A. J.	Rome, Ga.	Dentist	1880-1884	Jefferson Co.	1884	
Wills, Miss Mamie (Mrs. John Ross)			1880-1884	Jefferson Co.	1884	
Cavendar, J. M.	Chattanooga, Tenn.		1883-1885	Ringgold, Ga.	1885	
Crusselle, G. W.			1884-1885	Atlanta, Ga.	1885	
Lively, M. L.	Atlanta, Ga.		1882-1885	Norcross, Ga.	1885	
Cartledge, S. J.	Anderson, S. C.	Preacher	1884-1885	Bold Springs, Ga.		Pastor Presbyt'rn Church, Anderson,
Canning, N. G.		Lawyer	1883-1886	Flowery Branch, Ga.	1886	S. C.
Cato, E. T.		Teacher	1883-1886	Glenville, Ala.	1886	
Cato, J. C.			1883-1886	Glenville, Ala.	1886	
Fisher, L. O.	Ozark, Ala.	Lawyer	1881-1886	Alpharetta, Ga.	1886	
Standard, C. T.			1882-1886	Marietta, Ga.	1886	
Stribbling, J. P.		Farmer	1883-1886	Richland, S. C.	1886	
Craig, D. S.	Atlanta, Ga.	Lawyer	1886-1887	Walhalla, S. C.	1887	
Nesbit, K. A.	Fairburn, Ga.	Lawyer	1882-1887	Fairburn, Ga.	1887	
Phillips, E. L.	Griffin, Ga.	Farmer	1884-1887	Griffin, Ga.	1887	
Phillips, J. H.	Milner, Ga.	Physician	1884-1887	Griffin, Ga.	1887	
Fletcher, H. M.		Lawyer	1884-1888	Jackson, Ga.	1888	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Morris, J. H.		Teacher	1884-1888	Griffin, Ga.	1888	
Sheldon, W. A.	Westminster, S. C.	Physician	1886-1888	Westminster, S. C.	1888	
Swanson, W. T.		Teacher	-1888	Blairsville, Ga.	1888	
Woodward, J. C.	College Park, Ga.	Teacher	1884-1888	Jackson, Ga.	1888	President Georgia Military Academy.
Mincy, W. H.	Woodstock, Ga.	Teacher	1884-1889	Two Run, Ga.	1889	Degree A. M.
Shelton, W. H.	Athens, Ga.	Broker	1885-1889	Jay, Ga.	1889	
Stribling, T. M.	Perry, Mo.	Preacher	1886-1889	Richland, S. C.	1889	
Almand, E. H.	Nashville, Tenn.	Merchant	1886-1889	Conyers, Ga.	1889	Maj. U. S. A. V. in Spanish War.
Chamblee, W. R.*		Lawyer	1888-1890	Pendergrass, Ga.	1890	Lt. U. S. V. Spanish-Am. War.
Vickery, E. B.	Dahlonega, Ga.	Teacher	1887-1890	Hartwell, Ga.	1890	Prof. in N. G. A. C. since 1890.
Lawton, Mrs. E. P., nee Miss M. L. Basinger			1887-1891	Dahlonega, Ga.	1891	Wife Capt. E. P. Lawton, U. S. A.
Gilbert, T. H.		Preacher	1886-1891	Pendergrass, Ga.	1891	Minister, Tex., Con. M. E. Church.
Almand, J. M.	Decatur, Ga.	Merchant	1887-1891	Conyers, Ga.	1891	
Carmichael, H. B.			1887-1891	Jackson, Ga.	1891	
Clark, J. B.	Eastman, Ga.	Physician	1887-1891	Eastman, Ga.	1891	
Head, M. H.	Dahlonega, Ga.	Physician	1887-1891	Dahlonega, Ga.	1891	
Harris, B. C.	Savannah, Ga.	Accountant	1887-1891	Dahlonega, Ga.	1891	
McMurry, R. A.	West End, Ga.	Dairyman	1887-1891	Gainesville, Ga.	1891	
Meaders, A. W.	Watkinsville, Ga.	Farmer	1887-1891	Gainesville, Ga.	1891	
Phillips, T. J.	Griffin, Ga.	Physician	1887-1891	Griffin, Ga.	1891	
Dendy, W. E.		Teacher	1887-1891	Richland, Ga.	1891	
Fouche, J. S.	Rome, Ga.	Lawyer	1887-1891	Rome, Ga.	1891	
Whelchel, Miss Louise	Dahlonega, Ga.	Teacher	1887-1891	Dahlonega, Ga.	1891	
Worley, Miss Anna Lee	Dahlonega, Ga.		1887-1891	Dahlonega, Ga.	1891	
Cobb, W. H.*	Carnesville, Ga.	Teacher	1889-1892	Mt. Airy, Ga.	1892	C. S. C. Franklin county.
Allen, J. P. B.		Teacher	1887-1892	Dahlonega, Ga.	1892	
Ryals, Jas. W.	Savannah, Ga.	Merchant	1889-1892	Savannah, Ga.	1892	
Wood, Geo. B.	Savannah, Ga.	Merchant	1888-1892	Bawsonville, Ga.	1892	Teacher in Savannah.
Johnson, Miss Emily	Texarkana, Tex.		1891-1892	Marietta, Ga.	1892	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
McMullan, W. B.	Hartwell, Ga.	Farmer	1890-1893	Hartwell, Ga.	1893	
Pitner, J. M.	Thompson, Ga.	Teacher	1889-1893	Two Run, Ga.	1894	
Steele, W. H.	Pickens, S. C.	Doctor	1889-1893	Stewart, S. C.	1894	
Hammock, A. D.	Conyers, Ga.	Teacher	1892-1895	Conyers, Ga.	1895	C. S. C. Rockdale county.
Kimsey, W. L.*		Teacher	1895-1895	Clarkesville, Ga.	1895	
Alexander, D. H.		U. S. Mail Service	1891-1895	Salem, S. C.	1895	
Roberts, Miss Alice*		Teacher	1890-1895	Dahlonega, Ga.	1895	
Seabolt, T. W.	Pleasant Retreat,	Merchant	1891-1895	Loudsville, Ga.	1895	
Petit, Geo. F.			1893-1895	Cartecay, Ga.	1895	
Bryson, R. M.	Dahlonega, Ga.	Lawyer	1892-1895	Rockpile, Ga.	1895	
Kytle, J. W.	Douglasville, Ga.	Preacher	1894-1896	Center Side, Ga.	1896	
Meaders, F. M.	Gainesville, Ga.	Merchant	1892-1896	Dahlonega, Ga.	1896	
Nix, R. C.	Apple Valley, Ga.	Farmer	1893-1896	Apple Valley, Ga.	1896	
Palmon, Oscar	Atlanta, Ga.	Ins. Agt.	1892-1896	Dougherty, Ga.	1896	
Sinquefield, W. R.	Louisville, Ga.	Farmer	1893-1896	Louisville, Ga.	1896	
Palmer, W. P.	Clarksville, Ga.	Lawyer	1892-1897	Clarksville, Ga.	1897	
Roundtree, Mrs. A. M. nee Miss Rogers	Adrian, Ga.		1894-1898	Adrian, Ga.	1898	Wife of Dr. A. M. Rountree.
Parks, B. G.	Gainesville, Ga.	Lawyer	1895-1899	Murrayville, Ga.	1899	
Johnson, R. L.		Teacher	1897-1899	Grangerville, Ga.	1899	
Clark, E. M.		Bookkpr.	1898-1899	Louisville, Ga.	1899	
Cain, A. W.	Grapeland, Tex.	Teacher	1896-1900	Porter Springs, Ga.	1900	
Curley, H. D., Jr.	Elberton, Ga.	Supt. Telph.	1896-1900	Dahlonega, Ga.	1900	
McClesky, F. H.	Atlanta, Ga.		1898-1900	Blackwells', Ga.	1900	
Peacock, H. L.	Rhine, Ga.	Lumberman	1896-1900	Cochran, Ga.	1900	
Smith, W. M.	Atlanta, Ga.	Lawyer	1896-1900	Augusta, Ga.	1900	
Harris, C. L.	Lavonia, Ga.	Teacher	1897-1900	Silver City, Ga.	1900	
Gaillard, Miss Fannie	Dahlonega, Ga.	Teacher	1896-1900	Dahlonega, Ga.	1900	
McKibben, T. C.			1897-1900	Patillo, Ga.	1900	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Blount, R. M.			1898-1900	Waynesboro, Ga.	1900	
Crisson, Maggie	Dahlonega, Ga.		1896-1900	Dahlonega, Ga.	1900	
McKee, W. J.			1898-1900	McKee, Ga.	1900	
Sosebee, R. L.*			1898-1900	Nelson, Ga.	1900	
West, J. W.	College Park, Ga.	Teacher	1897-1901	Vera, Ga.	1901	
Harris, S. A.	U. S. Army.	Soldier	1897-1901	Silver City, Ga.	1901	
Whelcel, A. J.		Physician	1897-1901	Dougherty, Ga.	1901	
Shultz, Carl	Wahoo, Ga.	Teacher	1897-1901	Royston, Ga.	1901	Present member Georgia Legislature.
Sosebee, L. P.		Civil Eng.	1898-1901	Nelson, Ga.	1901	
McGrath, M. H.			1899-1901	Nelson, Ga.	1901	
Scott, W. W.	Atlanta, Ga.	Clerk	1899-1901	Canton, Ga.	1901	
Farrar, W. T.			1899-1901	Ingleside, Ga.	1901	
Byers, J. H.	Price, Ga.	Farmer	1898-1902	Price, Ga.	1902	
Horton, Paul Jones	Winder, Ga.		1899-1902	Winder, Ga.	1902	
Byers, Augusta	Price, Ga.	Ex. Messngr	1898-1902	Price, Ga.	1902	
Gaillard, Miss Marie	Ellijay, Ga.	Teacher	1898-1902	Dahlonega, Ga.	1902	
Barnes, J. C.	Dahlonega, Ga.	Teacher	1899-1902	Stinson, Ga.	1902	
McKea, Miss Eva	McKee, Ga.	Teacher	1898-1902	McKee, Ga.	1902	
Whitehead, A. C. Mrs.	University, N. C.	Teacher	1899-1902	Eastman, Ga.	1902	Wife of A. C. Whitehead.
Scales, J. H.		Cashier	1901-1902	Suwanee, Ga.	1902	
Byers, J. R.	Price, Ga.	Farmer	1899-1903	Price, Ga.	1903	
Grant, N. W.	U. S. Navy.	Soldier	1899-1903	Clarksville, Ga.	1903	
Berry, J. R.	Jefferson, Ga.	Teacher	1900-1903	Griffin, Ga.	1903	
Byers, Miss Cora	Price, Ga.	Teacher	1899-1903	Price, Ga.	1903	
Elkan, Louis	Brunswick, Ga.	Merchant	1900-1903	Brunswick, Ga.	1903	
Maddox, C. E.			1900-1903	Freemansville, Ga.	1903	
Gaillard, Miss Sallie	Ellijay, Ga.	Teacher	1900-1904	Dahlonega, Ga.	1904	
Fortson, L. G.		Teacher	1901-1904	Elberton, Ga.	1904	
Henley, J. R.	U. S. Army.	Soldier	1900-1904	Jasper, Ga.	1904	
Gortatowsky, J. D.	Atlanta, Ga.	Journalist	1900-1904	Albany, Ga.	1904	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Broach, J. F.		Teacher	1900-1904	Compton, Ga.	1904	
Stewart, J. C.	Kingman, Ariz.	Teacher	1900-1904	Ludville, Ga.	1904	
Bowen, Urban	Dip, Ga.	Teacher	1900-1904	Tesnatee, Ga.	1904	
Chappel, A. H.	Midriver, Ga.	Farmer	1901-1904	Chappel, Ga.	1904	
Drew, W. D.		Bookpr.	1901-1904	Midville, Ga.	1904	
Holden, Lester			1901-1904	Jonston, Ga.	1904	
Steed, O. W.		Business	1900-1904	Spring Place, Ga.	1904	
Jelks, G. J.	Atlanta, Ga.		1902-1904	Hawkinsville, Ga.	1904	
Peacock, W. H.	Cochran, Ga.	Farmer	1902-1904	Cochran, Ga.	1904	
Rutherford, Robert	Culloden, Ga.	Farmer	1901-1904	Culloden, Ga.	1904	
Byers, Rufus	Manilla, P. I.	Teacher	1899 1905	Price, Ga.		
Whelchel, Miss Ruth	Price, Ga.	Teacher	1900-1905	Price, Ga.		
Wilson, F. C.	Savannah, Ga.	Dentist	1881-1885	Savannah, Ga.		
Lunsford, W. P.	Lavonia, Ga.	Teacher	1901-1904	Suches, Ga.		
Gay, B. F.	Sharptop, Ga.	Teacher	1902-1905	Sharptop, Ga.		
Smith, R. E. L.	Greely, Ga.	Teacher	1901-1905	Greely, Ga.		
Ash, W. L.	Dahlonega, Ga.	Teacher	1901-1905	Suches, Ga.		
Breedlove, W. M.	Monroe, Ga.	Merchant	1903-1905	Monroe, Ga.		
Castleberry, L. R.	College Park, Ga.	Bookpr.	1903-1905	Dahlonega, Ga.		
Harris, C. M.	Dalton, Ga.	Farmer	1903-1905	Dalton, Ga.		
Matthews, W. O.	Decatur, Ga.	Farmer	1903-1905	Decatur, Ga.		
McKee, H. D.	McKee, Ga.	Farmer	1902-1905	McKee, Ga.		
Aycock, J. T.	Monroe, Ga.	Farmer	1902-1905	Monroe, Ga.		
Patterson, E. P.	Milner, Ga.	Gov. official	1901-1905	Milner, Ga.		

*Deceased.

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE.

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North Georgia Agricultural College

1906-1907

Thirty-Fifth Annual Catalogue

OF THE

North Georgia Agricultural College

(Department of tha University of Georgia)

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AT

DAHLONEGA, GEORGIA

CHARTERED A. D. 1871

The First Normal College Course Authorized by the State
(Act of 1877)

1906-1907

BANNER PRINT, ATHENS. GA.

CALENDAR

Fall Term begins Sept. 4th, 1907.
Fall Term ends Jan. 31st, 1908.
Spring Term begins Feb. 1st, 1908.
Commencement day June 3rd, 1908.

BOARD OF TRUSTEES.

WM. P. PRICE, President... ... ...Dahlonega.
H. H. PERRY, Vice-President... ... ...Gainesville.
W. A. Charters... ... ...Dahlonega.
R. H. Baker.... ... ...Dahlonega.
F. Carter Tate ... ...Jasper.
Preston S. Arkwright.... ... ...Atlanta.
J. G. Deadwyler... ... ...Maysville.

FACULTY AND OFFICERS.

1907-1908.

DAVID C. BARROW, C. & M. E.,
Chancellor of the University.

GUSTAVUS R. GLENN, A. M., LL. D., President,
Professor of Philosophy.

BENJAMIN P. GAILLARD, A. M., Vice-President,
Professor of Chemistry, Physics, Geology.

E. B. VICKERY, A. M., Secretary,
Professor of Latin Language and Literature.

J. W. BOYD, A. M.,
Professor of Mathematics and Astronomy.

CARL W. STEED, A. M.,
Professor of English.

J. C. BARNES, B. S.,
Associate in Mathematics.

C. W. DAVIS, B. S., M. S. A.,
Professor of Agriculture and Biology.

C. B. POWELL, B. B. S.,
Professor of Business Science.

W. S. KELL, E. M.,
Professor of Electrical and Mining Engineering.

JOSIE W. CLARKE, B. L.,
Assistant Professor of English.

MISS MARY MERRITT, A. B.,
Instructor in French and Drawing.

MISS ELLENE GLENN,
Music and Domestic Science.

E. J. WILLIAMS, Captain 5th Infantry, U. S. A.,
Commandant of Cadets.

MISS LEE ANNA WORLEY,
Librarian.

HOMER HEAD, M. D.,
Surgeon.

GENERAL INFORMATION.

ORIGIN AND PURPOSE OF THE COLLEGE.

This College owes its origin to the Act of Congress of July 2, 1862, entitled "An Act donating public lands to the several States and Territories which may provide colleges for the benefit of agriculture and the mechanic arts." The Act contemplates the "endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislature of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes."

The fund having been received by the State, the interest of it was placed under the control of the Trustees of the University for the purpose of the Act. The North Georgia Agricultural College, having been incorporated in 1871, received from the United States Government, in pursuance of an Act of Congress passed in that year, a donation of a building at Dahlonega, known as the United States Branch Mint, with ten acres of land connected therewith.

A contract was then made with the Trustees of the University by which the North Georgia Agricultural College became a department of the University, the title of the above property being conveyed to the Trustees of the University on the conditions specified in the donation, the Trustees of the University appointing the President of the College, making a certain allowance for its support, to wit: $2,000 annually, and exercising over it a general supervision.

BUILDINGS AND GROUNDS.

The college has forty acres of beautifully situated and valuable land—ten acres originally granted by the United States government, to which thirty acres have since been added—affording ample space for all military exercises and agricultural experiments.

The main building has twelve recitation-rooms and offices, the chapel, armory, and society halls, and is well equipped with modern furniture and apparatus. The departments of English, History, Mathematics, Ancient Languages, and Commerce are located in this building.

In 1900 Bostwick Hall, the gift of Mr. J. H. Bostwick, of New York, was completed. The upper story of this building is devoted entirely to Chemistry, Physics, and Agriculture. Each of these departments has a well-equipped laboratory with individual desks for the students, and, as the program shows, every student in these departments is required to do from five to ten hours a week laboratory work. The lower floor is devoted to the President's office and lecture room, and to the libraries and reading-rooms.

In addition to the two brick buildings devoted to departments of instruction, there are two dormitory buildings that will accommodate one hundred and fifty students.

THE CHARLES M'DONALD BROWN FUND.

From the Charles McDonald Brown Scholarship Fund the institution gets $1150.00 annually. This is to aid worthy young men who are unable to pay their way through college. The applicant must be at least eighteen years of age, in good health, and must reside in one of the following counties: Rabun, Habersham, Towns, Union, Fannin, Dawson, Murray, White, Lumpkin, Gilmer, Pickens, Cherokee and Forsyth in Georgia, and Oconee, Anderson and Pickens in South Carolina.

WHAT A DISTINGUISHED GEORGIA BISHOP SAID OF THE WORK DONE AT DAHLONEGA.

Bishop Pierce visited the N. G. A. C. in 1877. In a letter to the Christian Advocate he made the following comments about the work done at this College.

Col. Lewis, the venerable president at that time did a remarkable work for the Institution, and his memory is revered by all who knew him at Dahlonega.

"I attended and was delighted with the exhibition. As a great many people in the state (doubtless like myself) have very imperfect ideas of the importance of this enterprise, I feel bound to say a word in its behalf. My former countryman and old-time friend, Col. D. W. Lewis, is the President. He is doing a great and good work. The whole community honors his Christian character, and official capacity and fidelity—the boys and girls are devoted to him His influence is stimulating, refining; and no man in Georgia has a more promising field for usefulness than he. The College is well located and reaches a section and a class beyond the range of any other Institution in the state. It has been a quickening impulse to the mountain people. It has carried the light of knowledge to many obscure families, utterly hopeless before, of such privileges. Young men whose circumstances doomed them to mental darkness, and

the dullest, roughest toil, have come out of their obscurity, and are struggling manfully for an education. I heard several of them speak with a thrill of delight. The diamond is yet in the rough but the lapidary is at work, and the power to flash is there. The contributions from these hills will enrich the pulpit and the bar ere long. The Institution needs, deserves and ought to have the fostering care of the Legislature and the State University. Its means ought to be enlarged. I hope the Trustees at Athens will double the appropriation to this important adjunct to the University. As I cannot attend the session, I have written recommending this, and if present would urge it earnestly. I hope the College at Dahlonega will get speedy help, and enough of it to enable her to fulfill her grand mission."

"The contributions from these hills" have not only enriched "the pulpit and the bar," but they have enriched the qualities of leadership in many honorable pursuits. Many "captains of industry" in Agriculture and the Mechanic Arts have laid the foundations of success in thoughtful hours of study under the shadow of these hills. The lapidary is still at work and the power to flash is still here.

LOCATION.

Dahlonega is in many respects an ideal location for a school. The town is situated on an elevated plateau at the foot-hills of the Blue Ridge and is about 1600 hundred feet above the sea level. This plateau is almost surrounded by mountains and the air is thus kept dry winter and summer. The climate is invigorating and all the surroundings are pleasant. There are no barrooms allowed in Lumpkin county and evil influences as far as possible are kept away from Dahlonega. The student body is thus protected from many bad associations to be found in other localities. The over-shadowing presence of the "everlasting hills" is a silent, but none the less potential influence over the lives of young people that nobody has ever yet clearly explained. Boys, with vigorous brains, dream of large things in the mountains.

THE COLLEGE LIBRARY.

The students have the use of a carefully selected library under the general supervision of a committee from the faculty, with a librarian regularly in charge. Nearly all the books have been chosen specially for the students, and new purchases are made twice a year from a fund appropriated for this purpose. A liberal selection of the best current literature, and the leading daily papers of the state are available to students in the reading room. A complete card catalogue and an index to periodical literature enable

students to use the books and bound volumes of magazines to the greatest advantage. The library is also a depository for the publications of the United States government. Specially chosen department libraries are being accumulated for the use of students in parallel reading and investigation.

THE DORMITORIES.

The dormitories on the College grounds will accommodate 150 students. Each dormitory will be under the immediate supervision of a resident member of the Faculty, thus securing a personal attention to the needs of students that can be brought about satisfactorily in no other manner.

The system of discipline employed in the dormitories will be, as it is throughout the College, military in its nature, but so arranged as to give to each student all the liberty warranted by continued good conduct and high class standing.

Only *bona fide* boarding students who are not able to make more economical arrangements elsewhere are required to live in the dormitories.

Students will furnish toilet articles, bed-clothing and pillow. Board will be $10.00 per month of four weeks, payable in advance. This will include electric lights and fuel.

The general control of the dormitories is vested in the President and Faculty, who will make and enforce such rules as may appear necessary to secure the best results.

EXPENSES.

Incidental fee (per year)	$ 10.00
Books and Stationary (per year)	15.00
Washing about (per year)	10.00
Library fee (per year)	2.00
Dormitory board about (per year)	100.00
Uniform and gloves about (per year)	17.00
Typewriting fee (per year)	6.00
Chemistry fee (per year)	4.00
Physics fee (per year)	4.00
Biological fee (per year	2.00
Quantitative Chemistry fee (per year)	6.00
Soil Physics fee (per year)	2.00
Breakage deposit (per term)	1.00

Students entering College January 3rd, or at the beginning of the Spring Term are required to pay only a proportional part of the above mentioned expenses.

Annual expenses are made as economical as possible, and will

run from $150.00 to $175.00. When students bring their supplies from home, expenses can be reduced to an amount not exceeding $80.00.

The expenses of the first month of the term include nearly all but the monthly board and washing, and amount to nearly $50.00. In order that a student shall start promptly and efficiently in his class, provision should be made for this.

A student bringing the appointment by his county school commissioner, representative, or senator, will be allowed a credit of $2.50 on his incidental fee, for the term for which he is appointed, thus making matriculation fee $2.50 per term.

The estimate does not include traveling expenses to and from College. Stage fare from Gainesville to Dahlonega is $1.50 for each person and 50 cents for each trunk. Pocket-money depends on individual wishes, but should be moderate.

The special fees are charged only those who take a particular subject and are intended to cover merely the cost of material.

Dormitory boarders should bring the necessary toilet articles, bed-clothing, sheets, pillow and pillow-cases.

Board can be obtained from private families at from $12.50 to $15.00 per month, which will increase the cost from $25.00 to $50.00 per year.

Some expenses which cannot be foreseen will necessarily occur, but parents and students can feel assured that so far as the College is concerned, everything will be managed on the most economical basis.

This is not a place to spend much money. Parents should not allow over fifty cents a week for pocket-money, and twenty-five cents a week ought to be sufficient. Nor should they pay bills for other than college expenses made by a minor without a written order from them authorizing the same. Citizens are notified not to credit students without permission of parent or guardian.

LITERARY SOCIETIES.

There is no part of a college course more valuable than the training derived from taking an active part in a good literary society. It is here that one learns to think and to speak while standing and to grapple with his antagonist in a mental contest.

There are three literary societies in the College, one for the girls and two for the boys. These societies furnish unexcelled upportunities to the students who wish to develop and improve themselves in Elocution, Composition, and Debate.

Strict observance of the By-Laws and Constitution is obligatory on all active members. The new members especially are encouraged to take part in the discussion.

ELECTION OF STUDIES.

Beginning with 1907, A. B., B. S., and B. Ped. students above Sophomore class will be allowed to elect their studies, so far as the schedule of recitations will permit, after consultation with a special committee appointed from those members of the faculty with whom the work of these courses is done, the decision of that committee being subject to other regulations regarding irregular courses, number of studies, etc.

Beginning with 1907, all students in B and A classes will be required to take some regular course laid down in the catalogue. Students in the collegiate classes who wish to take irregular courses shall have at least five studies a day, two laboratory periods being counted as one study. Exceptions to this rule will be made only in case of students who file with the chairman of the committee on courses the college surgeon's certificate of physical inability.

GENERAL INFORMATION.

Students, on arriving, must immediately report at the dormitories and must at once consult the President about arrangements for board and for directions about registration.

The discipline of the College is under the immediate direction of the Commandant of Cadets. Serious offenses against good order are passed upon by the entire Faculty.

A College Young Men's Christian Association is organized and conducts religious services once a week.

The Fall Term begins always on the first Wednesday in September and the Spring Term usually ends the first Wednesday in June.

During the last session we had students from about seventy counties in Georgia. Almost without exception students who spend a year here are greatly improved in health. We have "plain living and high thinking" in the mountains. We encourage Athletic Sports, but do not allow them to conflict with a student's academic work. The average gain in weight for the past year is about 20 pounds.

The average age of a male student is over eighteen years, and a large majority are young men defraying their own expenses. This is not the school for idleness and frivolity, for fun and dissipation; but manly sports, innocent pleasures, regular physical training for all, hard study and excellence in character are the requisites for all who remain here.

Students who have over ten demerits during a month, unexcused absences, or special violations of discipline, will be required to perform extra duty, which will be instructive in its nature.

PHILOSOPHY.

THE PRESIDENT.

Junior.

1. Logic.

2. Psychology.—James (Briefer Course). Laboratory work on the structure and functions of the brain and sense organs, and the phenomena of sensation.

Senior.

3. History of Philosophy.

4. Ethics.

PEDAGOGY.

THE PRESIDENT.

Sub-Freshman—"A" Class.

1. Page's Theory and Practice, Georgia Syllabus, Roark's Methods, Observations in Model School.

Freshman.

2. Painter's History of Education, Required Theses. Model School observations and study of methods.

Sophomore.

3 Philosophy of Education. Lectures on School Supervision and Law.

Model School observations and practice, with study of methods.

Graduate.

4. Philosophy of School Government. Philosophy course, 1, 2, 4; Practice in Model School.

DEPARTMENT OF SCIENCE.

PROF. B. P. GAILLARD, PROF. C. W. DAVIS, PROF. J. C. BARNES

The course pursued in the sciences of geology, physics and chemistry, is designed to enable the student to know scientific facts and to grasp scientific principles, to acquire skill in handling and adjustment of apparatus, to awaken the scientific spirit and teach scientific methods, to cultivate a love for investigation and gain a store of facts that can be applied to the practical affairs of life.

Freshman.

B. Class.

1. Spring Term.—Physiology. (Blaisdell.)

A Class.

2. Fall Term.—Physical Geography. (Tarr.)

3. Spring Term.—Elementary Physics.

4. Zoölogy.

5 Botany and Plant Analysis; with special reference to agriculture.

Use of microscopes, dissections, lectures and demonstrations.

Sophomore.

6. General Chemistry; Chemical Experiments; Voorhees' Elements of Agriculture. Full laboratory work required of every student. The course is designed to give a good working knowledge of thirty to forty elements and the handling of apparatus. In addition to general demonstrations, the pupils do laboratory work. The laboratories are good and are fully equipped for twenty students.

7. Qualitative Analysis for B. S. and Agricultural students. This course has its foundation in the previous course, and aims to make the work a practical study, and one full of interest and utility.

Junior.

8. Physics and Physical Experiments, Quantitative Analysis for B. S. students. Physics of Agriculture. Landscape Gardening.

Senior.

9. Geology, with study of minerals and geology of this section; Physics of Agriculture. Quantitative Analysis. Organic Chemistry.

Students pay $2.00 laboratory fee to cover cost of materials used, and deposit $1.00 to cover breakage. The fee for Quantitative Analysis is $2.00, and $1.00 to cover breakage; amount above value of what is broken is returned.

DEPARTMENT OF MATHEMATICS.

PROF. J. W. BOYD AND PROF. J. C. BARNES.

The objects of the teaching in this department are:

First—the full and harmonious development of the reasoning faculties that the man may perform his life work with the best possible results for himself and his fellow man.

Second—to reveal to the students the moral worth of this science in developing habits of promptness, accuracy, and decision, and in discriminating between truth and error. The deductions of this science are absolute and incontrovertible. This knowledge gives sound conviction, stability of character, and conscious power.

Third—to set forth the utility of the science in its practical application to the great industrial enterprises of our country. The successful captains of industry are men who must know with mathematical certainty the structural value of stone, wood, and iron. They do not guess; they must know. In order to know

absolutely they must be trained with mathematical certainty.

We therefore stress particularly the practical application of the science to industrial arts.

Sub-Freshman—B Class.

1. Arithmetic Completed—Five hours per week until March 15th. Text book, Milne's.

2. Elements of Algebra—Five hours per week after March 15th. Text book, Wentworth's Elements.

Sub-Freshman—A Class.

1. Elements of Algebra—Five hours per week until February 1st. Review of first principles. Chapters VIII to XV inclusive. Text-book, Wentworth's Elements.

2. Plane Geometry—Five hours per week until June. Books I to IV inclusive. Text-book, Wentworth's Plane and Solid (Revised).

Freshman Class.

1. Algebra—Review of Fundamental operations, Factors, Fractions, Simple Equations, Simultaneous Equations, Involution, Evolution, Radicals, Exponents, Quadratic Equations, Simultaneous Quadratics, Radical Equations, Surds and Imaginaries, Ratio and Proportion, Arithmetical and Geometrical Progression, Binomial Theorem, Logarithms. Five hours per week until February 1st. Text-book, Wentworth's College Algebra.

2. Geometry—Five hours per week until June. Books IV to IX, inclusive. Text-book, Wentworth's Plane and Solid Geometry.

Sophomore Class.

1. Algebra—Interest and Annuities, Choice, Chance, Continued Fractions, Variables and Limits, Series, Interpolation, Determinants, General Properties of Equations. Five hours per week until November 15th.

2. Plane Trigonometry—Trigonometric Functions, the Right Triangle, Goniometry, the Oblique Triangle, Construction of Tables.

3. Spherical Trigonometry—The Right Spherical Triangle, the Oblique Spherical Triangle, Application to Astronomy.

4. Surveying Instruments and their uses, Land Surveying, Rectangular Surveying, Platting, Plane Table Surveying, Triangulation.

5. Levelling—Levelling for Section, Topographical Levelling, Railroad Surveying. Text-book, Wentworth's New Plane and Spherical Trigonometry, Surveying and Levelling.

Junior Class.

1. Analytic Geometry—Loci and their equations. Rectilinear System of co-ordinates. The straight line, the circle, different sys-

tems of co-ordinates. The Parabola, the Ellipse, the Hyperbola; Loci of the Second Order, Higher Plane curves. Solid Geometry. Five hours per week until February 1st. Text-book, Wentworth's.

2. Differential and Integral Calculus—Quantities, Functions, Fundamental Principles, Differentiation, Limits, Analytical and Geometric Applications, Successive Differentiation, Integral calculus Type forms, Rational and Irrational Fractions, Trigonometric Integrals, Geometric and Mechanical Applications. Five hours per week. Text-book, Nichols.

Senior Class.

1. Astronomy five hours per week until the first of February. Text-book, Manual of Astronomy—Young.

2. Mechanics—Five hours per week until June. Definitions, Composition and Resolution of Forces, Center of Gravity and Stability, Elementary Mechanics, Kinetics, Centrifugal force. Work and Energy. Mechanics of Liquids, Mechanics of Gases and Vapors, Hydraulic and Pneumatic machines. Text-book, Analytical Mechanics—W. G. Peck.

DEPARTMENT OF ENGLISH.

PROF. CARL W. STEED AND MISS JOSIE W. CLARKE.

"Correctness in the use of language, and in a use that shall be fluent, is aim enough for one school along this line. From beginning to end the grammar school needs to devote itself to its attainment by daily practice in reading, in speaking, in composing, until ease and accuracy be won."

"Let us hope that the study of English literature will some time awake to its high calling; that its teachers will desire the restoration of the aim of taste; and that its students will come to know what it is to read fine books for the love of them."

Sub-Freshman—B Class.

1. English Grammar, The Mother Tongue II (Kittredge and Arnold). Selected reading from American Literature. Written work, two hours a week, based on Language Reader.

Sub-Freshman—A Class.

2. English Grammar (Text to be selected). Elements of English Composition (Gardiner, Kittredge, and Arnold). Selected Reading.

Freshman Class.

3. Rhetoric in Practice (Seward and Newcomer). Poets of the South (Painter). Masterpices of American Literature.

Sophomore Class.

4. First Term.—American Literature (Abernathy). Study of American Masterpieces.

Second Term.—Elementary Guide to Literary Criticism (Painter). Masterpices of English Literature.

This brief course in the study of English masterpieces is given here in order that students taking courses that close with this class may have an introduction, at least, to the literature of England.

Junior Class.

5. The History of English Literature (Moody & Lovett). The work in this course will be the reading of, rather than about, the literature of the great periods. Only representative authors of each period will be studied, in order that enough of their writings may be read to get their real contribution to the literature of England. No author will be studied merely as a figure in the history of the literature.

Written reports on assigned reading will be made the basis of regular work in composition.

Senior Class.

6. Elements of Literary Criticism (Johnson). Critical reports on assigned readings illustrative of principles discussed.

The class will read Beowulf (Hall's metrical version) and some other specimens of Old English literature, and will make special studies in Chaucer, Shakespeare, and The Nineteenth Century Romanticists, reading from the prose of Carlyle, Arnold, and Emerson.

Besides written reports on assigned work, weekly themes will be required, based upon talks on the principles of literary composition, with illustrative readings.

In connection with the Old and Middle English authors a study will be made of the history of the language, illustrated largely from the English Bible.

A department library is being accumulated in order to afford students free access to the material of their study, in all the classes of the department.

DEPARTMENT OF HISTORY AND ECONOMICS.

PROF. STEED, PROF. BARNES, AND MISS MERRITT.

"It is precisely in this debatable ground of low motives and noble emotions; in the struggle, ever failing yet ever renewed, to carry truth and justice into the administration of human society; in the establishment of states and in the overthrow of tyrannies; in the rise and fall of creeds; in the world of ideas; in the character and deeds of the great actors in the drama of life, where good and evil fight out their everlasting battle, now ranged in opposite camps, now and more often in the heart, both of them of each

living man—that the true human interest of history resides."

The plan is to take the Sub-Freshman student and reduce his usually unorganized knowledge of the text-book facts in American history to logical sequence, stressing pivotal matter by class-room use of a book like "Elson's Sidelights on American History." The library is used mainly for inspiration studies in biography.

A similar plan is followed, the second year, in the civil government of the United States and of Georgia, the hero stories of Georgia being used in connection with the civic history of the state.

In the second half of this year, the history of Greece and the Orient is read, with as much parrallel reading of the classic legends and myths as is possible.

Up to this point the work in history is intended to be primarily informational.

In the Freshman class the student goes on with a study of Rome and Western Europe, making frequent use of the more interesting sources of medieval history, and stressing the great movements, intellectual, religious and political.

The Sophomore year is given to the study of English history, with parallel study of the French Revolution and the Napoleonic period in Europe.

The Junior class studies the political history of the United States ; and the Seniors read Political Science and Economics.

1. **B Class.**—United States History (Text to be selected), with Sidelights on American History I (Elson), and Hero Stories.

2. **A Class.**—Fall term. Civil Government of the United States (Thorpe), and of Georgia (McPherson), with Stories from Georgia History (Chappell).

Spring term, Greece and the Orient (Zimmern), and Myths and Legends.

3. **Freshman Class.**—Fall Term, Rome (Myers). Spring Term, History of Western Europe (Robinson), with Source Books.

4. **Sophomore Class.**—History of England (Cheyney), and Source Book.

5. **Junior Class.**—Political History of the United States (Elson), to 1829; Division and Reunion (Wilson).

6. **Senior Class.**—The State (Wilson); Economics (Bullock).

DEPARTMENT OF LATIN.

PROF. E. B. VICKERY, A. M.

The course of study prescribed in Latin is, in the main, the one adopted by the leading colleges of the country. This course

has for its object not only the training of the students in the idioms and forms of expression of the Latin language, but also to furnish the student with the body of thought contained in the literature of the Latin authors.

As the fountain source of a large proportion of the words in our own tongue .the Latin language must always be studied In addition to this the cultured man must also be familiar with the philosophy of life and the progress of civilization and literary culture developed by these ancient authors.

The ends aimed at in this department, therefore, are mental discipline, love of literature, the best ethical ideals, and the most approved form of literary expression.

B Class.—Five Hours per Week.

First Year Latin and Brittain's Introduction to Cæsar completed during the year.

A Class.—Five Hours per Week.

First Term—Cæsar's Gallic War (Books I, II, and III); Composition based upon the text.

Second Term—Cicero's Orations against Catiline; Composition

Freshman.—Five Hours per Week.

First Term—Ovid (Selections).

Second Term—Virgil's Æneid (three books); Scanning.

Sophomore.—Five Hours per Week.

First Term—First Book of Livy.

Second Term—Selections from Odes, Satires, and Epistles of Horace; Scanning.

Junior—Five Hours per Week.

First Term—De Amicitia of Cicero.

Second Term—Satires of Juvenal.

Senior.—Two Hours per Week.

First Term—The Adelphi of Terence.

Second Term—The Germania of Tacitus.

Exercises in translating connected English into Latin and sight reading will be given throughout the courses.

Allen and Greenough's Latin Grammar is used throughout the course. All of the foregoing course, or its equivalent, is required of A. B. students.

DEPARTMENT OF AGRICULTURE.

PROF CHARLES W. DAVIS.

The college farm, consisting of about thirty acres adjoining the college campus, is in cultivation under the direction of the Professor of Agriculture. Students thus have an opportunity to see daily the

work of the farm and orchard going on about them. Labor is not compulsory, but students in the agricultural course are given work that is educational and parallel with their studies.

The interest of the State Legislature in providing an increased appropriation for this department, enabled us to add valuable equipments to the farm and laboratories. A number of thoroughbred animals, such as cattle, sheep, hogs and poultry will be purchased soon. The Soil Physics Laboratory has just been installed with new desks, soil-bins, motor, shaker, centrifuge and complete apparatus for the mechanical and chemical analysis of soils. It has accommodations for twenty-five students.

In addition to the work here at college, steps are being taken to aid the farmers of this section. In coöperation with the U. S. Department of Agriculture a number of sub-stations for experimental purposes are being established in North Georgia. A number of farmers have already manifested an interest in the work. We believe the only way to benefit the majority of farmers is to devise some means of coming in contact with them. We therefore employ this method of carrying on this part of our work. One of the graduates of this department will be employed as Field Agent, devoting his whole time to the work.

Small nurseries of new and established varieties of fruit trees will be established at the various sub-stations for free distribution to interested parties.

The object of the course in this department is to fit young men to manage farms or to become workers in experiment stations or other situations where a knowledge of the sciences in their application to agriculture is required.

In order to meet the necessities of all young men, who desire instruction in Agriculture, the College offers three distinct courses.

The four years' course, which leads to the degree of Bachelor of Science in Agriculture, is designed to give a training that is thoroughly practical as well as scientific, in agriculture and its various branches. The greater portion of the work in agriculture is done in the last two years of the course, after a good foundation is laid by the study of the Natural Sciences.

The two years' course is equivalent to the first two years of the four years' course, except that in the second year additional work in Agriculture and Horticulture is substituted for the English and modern language of the Sophomore year. Those who complete this work will be given certificates.

WINTER COURSE IN AGRICULTURE.

To meet the needs of men of mature years, who are busy on the farm the greater portion of the year, and for the benefit of those

young men who desire to become better farmers, and who feel that they cannot take one of the regular courses in Agriculture, a short course has been arranged, beginning the first Monday in January and closing on the second Friday in March.

Instruction is given by such methods as seem best adapted to the subjects taught, including lectures, laboratory work and study of text-books or other literature. This work is placed in practical form as far as possible. The purpose is to make the methods direct and practical in the attempt to give the students a sufficient knowledge of the subjects for the ordinary uses of farm life. The attractive features of the farm home and the farm life are brought out and developed; the great possibilities of employing all the highest energies and talents in the successful pursuit of this occupation is shown to the students.

For admission to this course no examination is required, but to get most benefit from it, one should at least have completed the work of the common district school.

The only expenses will be for board and about $5.00 for books.

FOUR YEARS' COURSE.

Freshman.

Elementary Agriculture.—This course is intended to show the relation of the natural sciences to agriculture and to explain how these facts may be applied. The work is designed to give young men who remain at college but a short time an idea of the importance and value of agricultural pursuits.

Farm Crops.—This is a study of the conditions of germination and growth and the circumstances modifying these conditions; the selection of crops, the system of rotation best adapted to the State; summer fallow; and the management of meadows and pastures. The student makes observations, on the farm, on the habits of growth of the different farm crops.

Sophomore.

Soils.—The origin, composition and physical and chemical properties of soils receive attention; different methods of treatment are examined, and the influence of these methods upon moisture, texture, fertility and production.

Breeds and Breeding.—The object of this course is to show the zoölogical relation of our domestic animals to the rest of the animal kingdom, emphasizing the principles illustrated in their development into specialized animals; and to study the different breeds of horses, cattle, sheep and swine, for the purpose of learning their qualities, character, and adaptabilities.

Junior.

Grasses and Forage Crops.—Students will be required to make themselves familiar with all the varieties of grasses and forage crops grown in the grass garden.

Stock Feeding.—This is a study of the principles underlying the profitable feeding of animals; the composition of plants, animals and animal products. A critical study is made of results of feeding at various experiment stations.

General Horticulture and Economic Entomology.—Insect pests and plant diseases of orchard and garden, together with remedies for each, are thoroughly discussed. Other phases of the work are orchard management, cultivation, tree planting, pruning, location of orchards, and desirable varieties to be planted.

Pomology and Orchard Management.—The preparation of soils, laying out and planting of orchards, vineyards and small fruits; cultivation and fertilization; mulching and irrigation, pruning and thinning; harvesting, packing, storing and marketing, classification of varieties, their nomenclature and merits.

Propagation and Care of Plants.—A study of the principles underlying an intelligent understanding of the care, growth and development of orchard and garden plants and trees. Instruction is also given in propagation by seeding, budding, grafting, layering, and by cuttings.

Soil Physics.—This course is designed for advanced work in the study of soils, both in the laboratory and the field.

Stock Judging.—Practice in expert judging of horses, cattle, sheep and swine by use of score card.

Senior.

Vegetable Gardening.—The special requirements of the different vegetables, both in the garden and in the forcing-house, are discussed.

Landscape Gardening.—The practical side of ornamenting private and public grounds is studied. This includes the making of lawns, drives, and flower and shrubbery beds; sodding, tree planting, etc.

Rural Engineering.—Instruction included under this head embraces the subjects of drainage, buildings, fences and farm machinery.

Manures and Fertilizers.—This consists of experiments with different fertilizers for various crops. Home-mixed vs. commercial fertilizers.

Agricultural Experimentation.—Students are required to make abstracts of a sufficient number of bulletins of various experiment

stations, bearing on a selected line of work, to become familiar with their scope and aim.

History of Agriculture and Rural Economics.—Lectures upon the history of Agriculture, present agricultural methods in various countries, cost and relation, profits of various farm operators and systems.

Forestry.—Lectures on forest influences and methods of forest management, timbers and forest products.

Entomology.—The external and internal anatomy of insects will be studied. Their life history; injury to various crops, and means of holding them in check.

ART.

MISS MARY B. MERRITT.

Art has been defined as "the manner in which nature is used for the production of beauty. The material may be language, or the movements of the body, or sound, or life itself, as well as stone, or plaster, or paints, or ink and paper. In the mouldings of all these things Art may arise, so that there lives no human being, how poor soever, who may not beautify his life by Art."

Freehand Drawing classes are open to all the students. In them the underlying principles of Art, proportion, perspective, and composition are stressed, as well as light and shade. First, the simplest objects composed of straight lines are used for models, then curved surfaces are introduced, and after that more complex objects. The lessons are varied by sketching from still-life, from nature, and from life.

The lessons will be supplemented by discussions on the different aspects of Art and its relation to life; and the history of Art will be studied.

A special course is offered in charcoal, crayon, pastel, oils, water-colors, and pen and ink to those who may desire it.

DEPARTMENT OF FRENCH.

MISS MARY B. MERRITT.

The object of this course is to enable the student to avail himself of the large number of scientific treatises that are published in the French language and to read with appreciation the masterpieces of French literature; to acquire the ability to speak the language; and to gain a knowledge of its grammar. In order to accomplish this an almost equal time is given to reading, conversation, and grammar. Especial attention is given to the study of the idioms of the language.

Freshman.

1. Fraser and Squair's French Grammar; reading of short stories and Erckmann-Chartrain's Le Conscrit; conversational exersises at every recitation.

Sophomore.

2. Syms' Second Year in French; Halevy's L'Abbe Constanin, Pailleron's Le Monde on l'on s'ennuie, Sands' La Mare au Diable, and selected readings; original compositions in French. Recitations will be, as far as practicable, conducted in French.

Junior.

3. Review of French Grammar; study of Victor Hugo's Les Miserables, the French and English idiom compared; original compositions in French; conversation; study of the classicists and the writers of the Romantic school and selections from them. This year will be devoted principally to a literary study of the masterpieces of French literature with special attention to the peculiar excellencies of the French language as a means of literary expression.

Senior.

Representative selections from eighteenth century prose: Descartes, Pascal, La Bruyere; selections from classics, Molière, Racine, Corneille; conversation; business and social correspondence.

BACHELOR OF BUSINESS SCIENCE.

Prof. C. B. Powell.

Commercialism characterizes our modern time and progress, which is not only the most scientific, but the most practical age the world has ever known. A young man may possess all the learning that theory and science can produce, but unless he can apply this knowledge to ordinary business matters, he cannot hold a position in the marts of trade amid the onward march of commerce. Therefore, a practical business training is absolutely necessary to complete an education for whatever occupation one may choose. One cannot do without it except at a considerable disadvantage to his success, which is only attained by having a thorough academic and commercial training combined. Busy employers no longer have time to teach young men and women, though they be college graduates, but are looking for skilled assistants, bookkeepers, stenographers, and clerks to carry on this work. Realizing the force of these facts prominent educators, leading bankers, and foremost business men advocate a mastery of both the literary and business branches.

A three years' course in more than a technical study of commercial subjects is arranged for those desiring a practical education with the culture derived from college work. The student gets the benefit of the libraries, military drill, and literary societies, and receives a good course in English, Mathematics, Science, and History, preparing him to be not merely a machine, but a useful member of society. To a young man or woman wishing a fair college training, together with technical studies, we offer an ideal course at a minimum cost. Military dirll is required of those taking this course, and a diploma is granted to those completing it.

The work of the Sub-Freshman "B" and "A" Classes is Penmanship, Spelling, English, History, and Mathematics.

DEPARTMENT OF BOOKKEEPING.

Actual Business from Start to Finish.

Beginning with Freshman Class the student is carried by a gradual and natural process of logical reasoning from the simplest forms of Single Entry, through the most difficult and complicated propositions of Double Entry, with full explanation and clear understanding of the two systems as applied to Individual and Partnership business in the big Retail and Wholesale houses. He is required to keep the various books, record every transaction, and do all the mechcanical work from blank forms and commercial paper, just as in actual business. Every entry calls for exactly the details required of a bookkeeper in an office, using incoming and outgoing papers that have all the reality and variety of a counting-house.

A distinctive feature of the course is that while it is made interesting to the student, *accuracy and neatness are demanded* and the highest degree of excellence is maintained.

DEPARTMENT OF ADVANCED BOOKKEEPING.

Sophomore students who have satisfactorily completed the foregoing business studies, are required to take up advanced work in Scientific Accounting according to the most up-to-date systems of keeping Commission, Jobbing, Manufacturing, and Corporation books.

From Modern Business Methods and Commercial Geography is gained a thorough and practical knowledge of the great trade centers of the country, and all forms of negotiable paper, such as Postal and Express Money Orders, checks, notes, drafts, bills of exchange, stocks, bonds, etc.

In the Junior year the course is completed with Banking as conducted by our great clearing-houses and big financial institutions; Commercial Law, which prescribes our common duty, and

guards against deception and prevents loss by error; the most correct forms of Business Correspondence; Advertisement writing; Commercial Economics; Finances; Civil Service, etc. Thus the student is qualified to enter the business world after graduation prepared to bear the responsibilities, discharge the obligations, and perform the duties demanded of him by the powers of industry.

DEPARTMENT OF SHORTHAND AND TYPEWRITING.

Statistics show that shorthand and typewriting are the mediums through which more than eighty per cent of our business correspondence is conducted. Consequently a thorough knowledge of these important subjects is essential to a business education. This training, moreover, strengthens the mind, developing neatness, accuracy, rapid thinking, and close observation, which eliminates careless and indifferent habits.

Shorthand, which includes typewriting, is a valuable profession, that unlocks the door to unlimited opportunities. A stenographer has become the business man's necessity, and a typewriter, an office fixture. Thousands of men occupying some of the most responsible and lucrative positions today, owe their success to a knowledge of shorthand.

Freshman.

Theory and practice of Bookkeeping in Single and Double Entry as applied to Retail and Wholesale Business, Penmanship, English, Typewriting, Mathematics, etc.

Sophomore.

Commission, Jobbing and Corporation Bookkeeping, Typewriting, Stenography (Eclectic System), Modern Business Methods and Commercial Geography.

Junior.

Includes Shorthand, Business Correspondence, Banking, Commercial Arithmetic, Commercial Law, Civil Service, Finances, Letter-press Copying, Tabulating Mimeographing, Advertisement Writing, Care of Typewriter, etc.

DEPARTMENT OF MINING ENGINEERING.

Prof. W. S. Kell.

Introduction.

Civil, Mechanical, Electrical, and Mining Engineering will be preeminently those professions of the twentieth century, which will start and keep moving the wheels of industrial progress; for does not industrial history of states and nations show most clearly that technical training lies at the basis of industrial prosperity? That this is true few will gainsay, and hence that state which would merit and receive the earnest support of its citizens, that state which would develop its resources to the utmost limit, and which would go forward to take its place among the leading states of the nation, must provide for the scientific training of its young men in the ranks of the engineering professions.

The State of Georgia, with its splendid Institute of Technology in Atlanta, has supplied and is still supplying capable, efficient young men who may be relied upon to grapple with and successfully overcome any problem or condition of affairs in the professions of Civil, Mechanical, and Electrical Engineering.

Here however we are confronted with the question: What about the mining engineer? Why has Georgia neglected the training of her young men for the profession of mining engineering? With great blocks of low grade gold ore awaiting the discovery of improved methods of treatment, with mining properties costly to work, because out of date or needing the mechanical metallurgical skill of the efficient mining engineer, with vast acres of mineral lands and deposits as yet only scratched, with miles and miles of unprospected country, Georgia may well introduce the question mark when speaking of her mining engineers.

President Glenn and the trustees of the North Georgia Agricultural College, ever aware of the needs of Georgia, did not waste valuable time in trying to answer the question. They did better. They established a School of Mines.

Scope and Sphere of Usefulness of a School of Mines.

A mining school has several important characteristics to maintain. First, to educate scientifically and technically those who shall lead in the mining and metallurgical industries; second, to educate the public to a true sense of the value of applying scientific principles to industrial processes; third, as the University has for one of its functions the extension of human knowledge in any and all lines, so the mining school will recognize that the investigation of questons relating to the applied sciences is within its own sphere of usefulness. While the University asks no questions about the use-

fulness of the information gathered within its walls, the mining school must make its investigations in fields that are distinctly useful to the mining and metallurgical interests of the state.

It is obvious then, that the mining school to be where its usefulness cannot be questioned must be in the vicinity of the mining region of the state. The School of Mines at the North Georgia Agricultural College possesses all of the advantages of this position and as this puts the student within walking distance of mines, reduction plants, gold dredges and power plants, it will not be many years before the hills of North Georgia and their immense treasures of gold will be mined with profit by students trained in the art and applying methods which they, knowing the district and all of its own peculiar characteristics, may devise.

ENTRANCE EXAMINATIONS ARE HELD IN MAY AND SEPTEMBER.

Examinations may be taken at the homes of the applicants, papers being forwarded to some responsible examiner. This applies to Freshmen and only to those living at a distance. All candidates for admission are advised to take the May examination.

The experience of the past year has shown that any student entering with less than the equivalent of a good High School course, and that, too, thoroughly mastered, has little chance for success.

All students who desire to do their preparatory work in this institution instead of entering from some other school, shall complete the work of the Freshman B. S. course before entering the Department of Mining Engineering.

ADMISSION BEYOND ENTRANCE REQUIREMENTS.

Fire Assaying is excluded from these special or partial graduate courses, unless the student is a candidate for a degree and is regularly taking all the other work required.

The course of the Mining Department is essentially a bachelor's course. The degree given at present is E. M. (Engineer of Mines.)

THESES AND GRADUATION.

A thesis upon some practical subject is an important prerequisite to graduation.

Part of the work consists in visiting mines, dredges, powerplants, and other works where the processes lectured upon may be seen in actual operation. Short trips of this description are frequent, while once a year a longer one is arranged, usually to some noted mining section.

When any prescribed trip is undertaken, which has a practical

bearing on the work of any course, the students in that course, and working for a degree to which that course is essential, shall be required to attend such trip, unless excused by a vote of the faculty.

Expeditions of this kind afford abundant opportunities for the student to collect materials suitable for memoirs and theses.

All memoirs, theses and drawings, which constitute a regular part of the school work, may be retained by the Institution and preserved as part of the permanent record of the student who executed them.

Each Senior shall submit to the faculty, not later than November the 1st, the subject of his thesis which subject must be approved by the instructor concerned. Each thesis must be typewritten or printed on eight and one half by eleven inch paper, and bound in book form.

The completed theses must be handed in not later than May fifteenth.

Theses must be completed in final form and handed to the librarian before the delivery of diplomas. No diploma will be delivered until this requirement has been met.

EXAMINATION AND RE-EXAMINATION.

All students are expected to take the full regular quota of work, pursuing in order, as time and strength shall permit, all the studies of the regular course as laid down in the schedule.

In case of enforced irregularities from natural limitations, poor preliminary training, lack of application, or sickness, the suggestion which will mainly guide the disposition of each individual case, is the principle of the logical continuity of studies, in their mutual relations of preparation and sequences.

Students should complete all Freshman studies before entering on those of the Junior year, and similarly, the Sophomore studies before entering the Senior year.

Each case will be considered on its merits, as natural exceptions and those that cannot be anticipated may present themselves. But no rule shall be so applied as to work hardship or injustice to a student, who really deserves and is fitted to anticipate the studies of a later year.

Regular examinations will be held at the end of each term (or on the completion in the class room of a given study), attendance being compulsory unless students with an average (90 to 100) shall be excused therefrom by faculty action. In the determination of a student's final average in a given subject, where daily work is carried on, the final examination shall have but one-fourth weight while such daily work shall carry three-fourths. This ruling is made with a view to impressing the student with the importance

of daily keeping up his studies as against the "midnight cram" near examination time.

A condition incurred during the first term may be removed by a first re-examination, held not later than one month after the end of said term, and in case of failure to pass here, by a second rt-examination, held in September at a regular date set for that purpose, before the beginning of the collegiate term.

A condition incurred during the second term may be removed by a first re-examination held at a regular date set for that purpose, before the opening of the collegiate term in September.

Failure to remove any conditions in or before the September re-examinations shall constitute such condition a complete failure and the subject shall be repeated in the class room.

MATHEMATICAL SECTION.

(1.) **Algebra.** The course begins with a review of Quadratic Equations, continuing with the Theory of Equations, Probability, Series, Binomial Theorem and a thorough study in Series. Five hours per week, first term, Freshman year. Text: Wentworth's Higher Algebra.

(2.) **Solid Geometry.** Books VI.-IX. inclusive, Wentworth's Plane and Solid Geometry. Five hours per week, first term, Freshman year.

(3.) **Trigonometry.** Plane and spherical trigonometry, including a working knowledge of Logarithms and the use of tables. Many practical problems are given to the students to be worked out. Five hours per week during the second term of the Freshman year. Text: Wells' Complete Trigonometry.

(4.) **Analytical Geometry.** The point, straight line and circle are treated quite fully, the conic sections are defined, and the general theorems (relating to tangents, normals, poles and polars, and diameters) are derived. The Conic Section. The nature of the conic correspondoing to the general equation of the second degree is determined. Solid Analytics are studied with a view to the analogous forms of equations in Plane and Solid. Five hours per week, second term, Freshman year. Text: Ashton's Plane and Solid Analytic Geometry.

(5.) **Calculus.** Differential Calculus. Differentiation; also the general nature and use of Integral Calculus is explained. Five hours per week, first term Sophomore year. Regular courses 1, 2, 3 and 4 in Mathematics. Text: Murray's Infinitesimal Calculus.

(6.) **Calculus.** Integral Calculus. A continuation of Course 5 in which integration of various functions with its application to plane curves, areas, surfaces, volumes, centers of gravity, moments

of inertia, is taken up. Five hourse per week, second term, Sophomore year. Text: Same as Course 5.

MECHANICAL SECTION.

(1.) **Descriptive Geometry.** A study of the Projection of Points and Lines; Simple Solids in Simple Positions with sections of the same; Planes; Projection of Plane Figures is taken up and carried on through recitations. Five hours per week, first term, Freshman year. Text: Low's Practical Solid or Descriptive Geometry, Part I.

(2.) **Descriptive Geometry.** Continuation of Course 1 with addition of problems in Lines, Planes, Solids; Intersecting and Tangent Planes and Surfaces; Isometric Projection; Shadows; Perspective. Five hours per week, second term, Freshman year. Text: Low's Practical Solid or Descriptive Geometry. Part II.

(3.) **Mechanical Drawing.** All efforts during the early part of the work are directed toward making the student thoroughly acquainted with, and exercised in, the proper use of his drawing instruments and drafting supplies in general. The work then proceeds with mechanical and free hand lettering, line shading, tinting, shading with tints, and conventional tints for different materials. There are eight of these mechanical sheets, a title page for the mechanical sheets and a title page for the descriptive geometry sheets. These two title pages may be a part of the second term's work.

It is desirable that students taking preparatory work in the lower courses, take an elementary course in this work such as given for the B. S. students. (Optional.)

Regular work, ten hours per week, first term, Freshman year. Text: Morris' Geometrical Drawing.

4. **Descriptive Geometry Drawing.**—This is in connection with the work in Descriptive Geometry and includes warped surfaces, surface of revolution, tangent surfaces, intersections, shades and shadows, and inisometric projections. Six hours per week, second term, Freshman year. Bulletin board directions.

(5.) **Physics, Mechcanics, Sound and Light.** This course is given by lectures, illustrated by experiments, and by recitations. It is required of all Sophomores. Lectures five times per week. Courses 1, 2, 3 and 4 in Mathematics required, and must be preceded or accompanied by course 5 in Mathematics. Text: Carhart's University Physics.

(6.) **Physics, Heat and Electricity.** This course is given by lectures, illustrated by experiments, and is a continuation of course 1. Lectures five times each week. Courses 1, 2, 3, 4 and 5 in Math

ematics required and should be preceded by course 1, Physics. Texts: Carhart's University Physics.

(7.) **Laboratory Course in Mechanics, Sound and Light.** Thirty experiments. Laboratory work (two sections) two afternoons per week, of an hour and a half duration. Accompanies course 5, Physics. Texts: Ames and Bliss's Manual of Experiments in Physics.

(8.) **Laboratory Course in Electricity and Heat.** Thirty quantitative experiments are performed by each student. Laboratory work, two hours per week during the second term of the Sophomore year. Accompanies course 6, Physics. Texts: Ames and Bliss's A Manual of Experiments in Physics.

(9.) **Mechanism.** A study of the mathematical relations and theoretical movement of machinery beginning with circular, link and movement in trains of machinery, accompanied with two afternoons per week of drafting. Three hours per week, first and second terms, Sophomore year. Text: Low and Bevis' Machine Drawing and Design.

(10.) **Machine Design.** A course based upon the work of Course 9 in which methods of design and best usage are taken up. Designs of bolts, keys and cotters, tanks, shafting, hangers and working drawings of the same, including the original design of an assay furnace for coal, wood, or gasoline, are made by the student. Three lectures and four drafting hours per week, first and second term, Junior year. Text: Low and Bevis' Machine Drawing and Design.

(11.) **Mining Machinery.** The general lay out and erection of power plants, the construction of boilers, compressors, electrical machinery, drills, hoists, locomotives (underground haulage) with a comparative study of the various commercial types as applied to conditions in the different mining localities of the world, is made the subject matter of this course. The student is further made familiar with the various mining supply houses throughout the country and their catalogs, enabling him to make wise selections in near regions. Four hours per week, first and second terms, Senior year. Text: Hutton's Mechanical Engineering of Power Plants.

(12.) **Power Transmission.** This includes the transmission of power by wire rope, by compressed air and by electricity. This course is given partly by lectures, and partly by recitations.

Three times a week throughout the Senior year.

Text: Bell's Electrical Power transmission and references.

CIVIL ENGINEERING SECTION.

(1) **Surveying.**—Instruction is given in the theory of the adjustment of the transit and level, the principles of land surveying, topographical surveying and railroad work. The theory of the Plane Table and also that of the Aneroid Barometer are given.

Plane Surveying one month at the close of the school year.

Courses 1, 2, 3, 4, 5, and 6 in Mathematics and courses 1, 2, 3, 4, 7 in Drawing required.

Text: Johnson's Theory and Practice of Surveying; Pence and Ketchum's Surveying Manual.

Field Surveying.—The course consists in adjusting instruments, traverse surveys, calculation of areas and distances, stadia work and the laying out of a short railway line. All the problems are platted in the office and the calculations made in a regular book kept for that purpose.

Field and office work one month at the close of the Freshman year.

(2) **Theoretical Mechanics.**—This course consists of the theoretical study of mechanics and materials. Statics of a material point and of rigid bodies; centers of gravity; chains and cables; moments of inertia of plane figures; stresses and strains; tension; shearing; compression; torsion; flexure; combined torsion and flexure; elastic curves; safe loads; applications to commercial forms; oblique forces; columns; continuous beams. Dynamics of material point. Impact. Virtual Velocities. Centrifugal and centripetal forces. Moments of inertia of soils. Pendulums. Dynamics of rigid bodies. Work. Power. Energy. Fly-Wheels. Friction. Dynamometers. Belts.

Lectures and recitations four hours per week, first and second term of Junior year. Texts: Church's Mechanics of Engineering with Notes and Examples, Cambria Steel Hand Book.

(3). **Graphics.**—Definition. Forcetriangle. Forcepolygon. Concurrent and non-concurrent forces. Equilibrium polygons. Pole. Rays. Special equilibrium polygon. Resultant of forces. Pier reactions. Equilibrium and force polygons for vertical loads. Vertical dimensions of equilibrium polygon. Application to simple beams with various loadings; to centers of gravity; to moments of inertia: to articulated cranes, trusses and gallows frames. Graphics of mechanism. Forward and backward motion. Efficiency. Sliding journal and rolling friction. Mill Elevator. Wedge. Jack-screw. Engines. Ore-crusher. Friction Roller. Chain friction. Tackles and pulleys. Ropes. Spur-gearing. Belting.

Lectures and recitations four hours a week during the second

term of the Junior year. Drafting two hours per week of the second term.

Text: Church's Mechanics of Engineering.

Church's Notes and Examples in Mechanics.

(4) **Structural** Details.—Theory—Definitions and dimensions of parts. Housing, notching, mortise and tenon, dove-tailing, lag screws, dowels, lugs, keys, brace blocks, nuts and washers, etc. Unit stresses, Loading, Splicing; finishing, scarfing. Deepened beam. Articulated trussed beam solved graphically and by method of "least work." Wooden roof truss; rafters, purlins, upper chord, lower chord, tie-rods, end joint, corbed, anchorage. Pin and riveted steel roof trusses.

Recitations and lectures three hours a week during the first term of the Senior year.

Design.—Tabled fish-plate joint. Plain wrought-iron fish plate joint. Deepened beam. Trussed beam. Wooden roof truss. Steel roof truss. Pin or rivet connections. Steel and masonry buildings. Wood and steel gallows frames.

Two afternoons a week during the first term of the Senior year.

Texts: Ketchum's Steel Mill Buildings; Cambria Steel Hand Book.

(5) **Hydraulics and Hydraulic Motors.**—This course is given partly by lectures, and partly by recitations; it embraces hydrostatics, the flow over weirs, through orifices, through pipes, flumes, ditches and conduits of various forms. It also includes an elementary study of the various types of hydraulic machinery.

Three times per week for the first term Senior year.

Texts: Church's Mechanics of Engineering; Church's Hydraulics Motors.

(6) **Contracts and Specifications.**—This course is designed to give the student enough knowledge of the subject to set firmly in his mind the need of a lawyer in case of large undertakings; to show him the position of the engineer as an expert witness and to give practice in the writing of specifications. Three hours per week, second term, Senior year. Text: Johnson's Contracts and Specifications.

(7) **Testing Laboratory.**—Measurements are made of the flow over weirs, through orifices and through flumes and ditches. The determination of the approximate law of flow in pipes also forms part of the course. Water wheels are tested and the efficiency of the hydraulic ram under various conditions is determined. Natural and Portland Cements. Cement mixing. Cement mortars. Testing cement and cement mortars for tensile and crushing strength; adhesion, soundness, fineness, setting, freezing, effect of chemicals.

One afternoon per week during the first term of the Senior year.

MINERALOGICAL SECTION.

(1) **Crystallography.**—The course is intended to give a thorough comprehension of the fundamental principles of the subject with a view to utilizing this knowledge for the practical determination of minerals. Instruction is given through lectures followed by laboratory practice, and through individual quizzes. The material presented covers the six crystal systems and most of the hemihedrial and tetrahedral divisions. The practical work embraces the study and determination of wooden crystal models, and the indentification of crystal forms on natural crystals.

Six hours a week until Christmas, during the first term of the Sophomore year.

Text: Patton's Lecture Notes on Crystallography.

(2) **Blowpipe Work.**—In this course only the most characteristic relations of the more commonly occurring elements are presented, namely those which will be found necessary for the proper determination of the minerals presented in the course in Determinative Mineralogy.

Thirty hours total, Sophomore year.

Texts: Moses and Parsons' Mineralogy, Crystallography and Blowpipe Analysis.

(3) **Systematic and Determinative Mineralogy.**—This subject is taught by means of lectures, text books and laboratory practice. In the laboratory practice each student is expected to determine and recite upon about six hundred mineral specimens, and he is supposed to become familiar with the characteristic physical properties that enable one to recognize the mineral species wherever met.

Six hours a week during the second term of the Sophomore year.

Texts: Moses and Parsons' Mineralogy, Crystallography and Blowpipe Analysis.

(4) **General Geology.**—This course embraces (a) Dynamical Geology; (b) Structural Geology; (c) Historical Geology. It is based mainly on text book work which is supplemented by lectures and illustrations, the intent being to give a fair knowledge of the principles of the subject such as an intelligent mining engineer should possess. This class-room work later in the year is further supplemented by excursions in the neighborhood.

Four hours a week during the first term of the Junior year.

Text: Le Conte's Text Book of Geology.

(5) **Lithology.**—This course is based primarily on lectures which are followed by practical rock determination and excursions. The intent of the course is to give familiarity with all the more commonly occurring rock types with ability to determine the same in the field. With this object in view, the attention is directed mainly to the microscopic properties of the rocks.

Five hours a week during the second term of the Junior year.

Text: Kemp's Handbook of Ricks.

(6) **Economic Geology.**—This important subject which has heretofore been presented incidentally in connection with courses in mining and geology, will be placed under the Department of Geology and Mineralogy. Instruction will be given in Economic Geology, including Ore Deposits, in so far as circumstances will allow.

Three hours per week, first and second terms, Senior year. Text: Ries' Economic Geology of the United States.

METALLURGICAL SECTION.

(1.) General Chemistry.—Lectuures and recitations on the theories and principles of Chemistry with special reference to their application in practical work. The typical elements are first studied at length and then the remaining elements according to the periodic grouping. Technical precesses receive much attention, and the latest developments of chemical theory are discussed. A feature of the course is the attention paid to stoichiometrical calculations. The lectures are illustrated by numerous experiments and the mineralogical collections are constantly used for illustrations of the natural occurring compounds of Chemistry. Text: Jones' Inorganic Chemistry.

(The works of Remsen, Erdmann, and Roscoe and Schorlemmer are recommended for supplementary reading).

Five hours first term, four hours second term, Freshman year. Four hours laboratory work, first term.

Text: Jones' Inorganic Chemistry.

(2) **Qualitative Analysis.**—The reactions of the important basic and acidic elements are rationally studied and their identification and separation in mixtures of varying complexity is required. In addition to the analysis of simple solutions, the analysis of ores, minerals and insoluble products is taught, and the reactions of the rare elements are taken up to some extent. Spectroscopic work forms part of the course. Every method is made to avoid mechanical work, and all students must write out the reactions and separations as they occur, and submit their notes for correction. Frequent quizzes are held and the theory of analysis is emphasized.

One hour lecture work and nine hours laboratory work, second term, Freshman year. Text: Dennis and Whittlesby's Qualitative Analysis.

(3.) **Gravimetric Analysis.**—The course of instruction in Quantitative analysis begins with the analysis of simple salts and passes to that of more complex bodies, as ores and alloys. A varied series of determinations in required which illustrate the most important type of gravametric methods. A large supply of carefully checked samples is available and students must show a high degree of accuracy in their work. Among some of the exercises of the course are the analysis of prolusite, dolomite, wolframite, silicates, coal, iron ore, and alloys. Text: Cairn's Quantitative Analysis. Three hours of recitation work, four laboratory, per week, first term.

SOPHOMORE YEAR.

(4) **Volumetric Analysis.**—This course, (which is the continuation of course 3) consists largely of exercises in Volumetric analysis, and the application of gravimetric and volumetric methods to commercial requirements. Students are especially drilled to attain speed and capacity, without interfering with accuracy. For these exercises a large number of smelters and assayers' samples are available.

Among the exercises of the course are acidimetry and alkalimetry, with the use of indicators; assay of bleaching powders and cyanide solutions; the volumetric determination of iron copper, maganese, zinc, lead and arsenic in ores and furnace products.

Recitations three hours, laboratory four hours per week, second term Sophomore year. Text: Bailar's Notes on Volumetric Analysis.

(5.) **Technical Chemistry.**—A course of lectures on selected topics of interest to engineers. Among other subjects, the analysis of cyanide solutions, gases, oils, paints, explosives, fuels, water, petroleum and asphalt, cements and clays, alloys, and iron and steel are taken up. Two hours per week, first term Sophomore year.

(6.) **Fire Assaying.**—The principles of fluxing and methods of work are taught by lectures, followed by their application in the laboratory to typical ores, silicious, barytic, pyritic, etc. The course involves thorough work in the assay of rich, medium, and low grade ores of gold, silver and lead, and the preparation of samples.

Both the scorification and crucible methods, with silver ores, are required and results compared. The results of assays by nail, nitre and roasting methods are also compared. The course includes the assay of furnace products such as mattes, slags and bullions.

Two lectures and six laboratory hours per week, first term; four laboratory hours per week second term, Junior year.

(7.) **Fuels, Iron and Steel.**—Historical sketch. The relation of Metallurgy to Chemistry. Properties of the metals, alloys, brasses and bronzes. Thermo-treatment of metals. Fuels in the solid, liquid, and gaseous state; their occurrence and manufacture.

Refractory materials, their occurrence, properties, manufacture and uses. Pyrometry and Calorimetry. Furnaces, different types used for various metallurgical operations. Blowing apparatus. Hot Blast stoves. Typical metallurgical processes. Sampling of ores and metallurgical product. Roasting of gold, silver, copper, lead, zinc, and iron ores.

This is followed by the metallurgy of iron and steel from the ore in the mines through the various processes of the modern steel works to the commercial products viewed on every side.

Five hours per week, first term Junior year. Texts: Sexton's Fuel and Refractory Materials; Greenwood's Steel and Iron.

(8.) **Lead and Zinc.**—This course is a lecture course with short quizzes every week. The kinds of ores, methods of handling and treating them in different localities, together with detail work on the smelter layout covers this ground thoroughly. Appropriate trips will be taken during the work. Five hours per week, second term, Junior year.

(9.) **Ore Dressing.**—A detail study of the handling of ores and getting them into shape for metallurgical treatments. Crushers, stamps, jigs, screens, concentrators of various descriptions, stamps and the detailed study of mill construction and arrangement is made. Work in neighboring mills will be arranged so that students will have practical experience in this line of work.

Four hours per week in class room; two hours laboratory per week, first term Senior year.

(10.) GOLD, SILVER AND COPPER.

(a) **Metallurgy of Gold.**—Occurrence and properties. Various processes of extraction. Stamp Milling. Extraction by amalgamation. Extraction by Chlorination. Extraction by Cyaniding. Arrangements of plants and typical mills. Melting and refining of gold and parting of gold and silver bullion.

(b) **Metallurgy of Silver.**—Occurrence and properties. A general discussion of various processes for the extraction from ores. The Patio process. The Washoe process. The Combination process. The roasting and pan amalgamation. The Boss process. Wet processes. Refining of Silver bullion. Purchasing, sampling, and testing.

(c) **The Metallurgy of Copper.**—Smelting in reverbatory and blast furnaces. Pyritic matte smelting. Concentration of mattes by various process. Wet processes of treating mattes and ores.

The study and calculation of the furnace charges, and slag. Bessemerizing. Process of refining in reverberatories and electrolytic refining.

Four hours per week, second term, Senior year.

Texts and References: Rose, Metallurgy of Gold; Collins, Metallurgy of Silver; Eggleston, Metallurgy of Silver; Schnabel, Hand Book of Metallurgy; Richards, Stamp Milling of Gold Ores: Peters, Modern Copper Smelting; Long, Matte Smelting.

MINING SECTION.

(1.) Mine Surveying.—Under this head will be considered the theory of the determination of the true meridian by means of the various solar attachments and by direct observation of the sun and of a circumpolar star; a careful discussion of the principles and methods used in locating and patenting mining claims, and in underground surveying, will be given. The lectures delivered on these subjects enter into the detail with which they are connected and touch upon the Mining Law relating to surveyors and the patenting of mining property. The remaining time will be devoted to the outlines of the subject of geodetic surveying.

Lectures twice a week during the second term of the Sophomore year.

Field work, two weeks at close of Sophomore year. Text: Underhill's Mineral Land Surveying.

(2.) Mining.—This, the culmination in many ways, of the course, is begun in the Junior year and continued to the end of the Senior year. As an invaluable aid to the young engineer frequent reference is made to the engineering periodicals in the library and at least half an hour daily must be done by the student to keep partly up with the mining camps of our country.

This course may be outlined as follows: Hoisting, under which will be considered, motive powers, ropes, gallows-frames, receptacles and safety appliances and pneumatic hoisting. Haulage; a discussion of the different systems of underground and surface transportation, including aerial ropeways. The drainage, ventilation and lighting of mines. Explosives, the theory of blasting, pointing and charging holes; methods of firing. Methods of breaking ground. Boring, diamond-drill work, and the percussion methods. Instruction is given in methods of shaft sinking, tunneling, mine timbering and exploitation, hydraulic mining, ore deposits, mine management and the employment of labor, mine examinations, sampling of ore bodies, estimation of the "ore in sight" and the valuation of mining properties.

This course is supplemented by trips to mining camps for the practical and detailed study of machinery and mining methods.

Four times per week, Junior year; five times per week, Senior year.

.3.) **Mine Examination and Report.**—This is a course designed to bring to a culmination the methods taught all through the course showing the necessity of care and neatness which an engineer should pursue in his work. Outlines of geological and mining reports both of the prospect, and developed property are made and samples of the best reports in the world of mining are examined with a view of following the best methods. A short study of "wild cat" reports is made with the idea of showing what as an honorable and upright man, he must not do regardless of the pressure brought to bear, for in no line of work are there so many pitfalls, yet so many safe ways, and the young engineer can do no better than leave this course determined to put "principles first, decisions second."

Two hours per week, first term, Senior year. Text: Richard's Sampling and Testing of Ore in a Mine.

TABULAR VIEW.

*Mining Engineering.—Freshman Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Algebra (p. 30)	5		Trigonometry (p.30)	5	
Solid Geometry (p. 30)	5		Analytics (p. 30) ...	5	
Desc. Geometry (p. 31)	5		Desc. Geometry (p. 31)	5	
Mech. Drawing (p. 31)		10	Gen. Chemistry (p. 36)	4	
Gen. Chemistry (p. 36)	5	4	Qual. Analy. (p. 36)..	1	9
Military (p. 43).. ..		5	Military (p. 43) ...		5

* The Freshman wor kof the B. S. course must be completed before this course can be entered.

Plane Surveying, one month at close of Freshman year.

TABULAR VIEW.

Mining Engineering.—Sophomore eYar.

1st Term.	Rect. Hrs.	Lab. Hrs.	3rd Term.	Rect. Hrs.	Lab. Hrs.
Calculus (p. 30)	5		Calculus (p. 30)	5	
Physics (p. 31) ...	5	2	Physics (p. 31) ...	5	
Mechanism (p. 32) ..	3	4	Mechanism (p. 32) ..	3	4
Cr't'llog & B. P. (p. 35)	2	4	Mineralogy (p. 32) ..	2	4
Tech. Chem. (p. 37)..	2		Volum. Analy. (p. 31)	3	4
Military (p. 43)		5	*Mine Surveying(p.39)	2	
			Military (p. 43)		5

* Field work in Mine Surveying two weeks at close of school eyar.

Short obcervation trips to neighboring plants.

TABULAR VIEW.

Mining Engineering.—Junior Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Machine Design(p. 32)	3	4	Machine Design(p. 32)	3	4
Mechanics (p. 31) ...	4		Mechanics (p. 31) ...	4	
Geology (p. 35)	4		Graphics (p.36)	4	2
Fuels, Iron & Steel ..			Lithology (p. 36) ...	1	4
(p. 38)	5		Lead and Zinc (p. 38)	5	
Fire Assaying (p. 37)	2	6	Fire Assaying (p. 37)		4
Mining (p. 39)	4		Mining (p. 39)	4	
Military (p. 43)		5	Military (p. 43)		5

Observation trips to points of interest in the work.

TABULAR VIEW.

Mining Engineering.—Senior Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	3rd Term.	Rect. Hrs.	Lab. Hrs.
Structures (p. 34) ..	3	4	Mining Mach. (p. 32)	4	
Hydraulics (p. 34) ..	3		Power Trans-		
Testing Lab. (p. 34) .		2	mission (p. 32) ...	4	2
Econ. Geology (p. 36)	3		Contracts and Spec.		
Ore Dressing (p. 38) .	4	2	(p. 34)	3	
Mining (p. 39)	5		Econ. Geology (p. 36)	3	
Mine Ex. and			Gold, Silver and		
Report (p. 40) ..	2		Copper (p. 38)	4	
Mining Mach. (p. 32)	4		Mining (p. 39)	5	
Thesis (p. 28)		4	Thesis (p. 28)		8
Military (p. 43)		5	Military (p. 43)		5

Senior trips to mining and metallurgical localities in the South.

MUSIC DEPARTMENT.

MISS ELLENE GLENN.

The music department is thoroughly modern in its requirements. From academic to concert work is taught, especial attention being given to harmony and theory.

The course is a teachers' and students' course. The requirements of the course will be specified at the beginning of the fall term.

DOMESTIC SCIENCE DEPARTMENT.

While this Department of the N. G. A. C. is in its infancy we hope for many developments in the future that will demonstrate the absolute necessity for such a work in our institutions of learning, especially in this northern section of the state.

Our facilities are limited at present, but with the coming year we trust to have a liberal appropriation which will aid materially in the progress of the work.

The chief purpose of the Domestic Science department is to give to a student a practical knowledge of those industries that pertain to home culture.

For the past year the department of dress-making has been established. As soon as room can be supplied, cooking and other forms of the work will be added.

The work for the first year, first term, consists of plain sewing, that is, principally, hand work; the second term of the first year will be devoted to drafting of patterns, cutting and making of garments. The second year's course consists of making garments of all kinds. A third year's course will be given in tailoring and advanced dressmaking.

A certificate will be awarded those who complete the work efficiently at the end of the two or three years according to the course they take.

A fee of $1.00 must be paid at the beginning of the school term to meet the incidental expenses of the Department.

MLITARY ORGANIZATION.

E. J. WILLIAMS, Captain 5th U. S. Infantry, Commandant.

Staff.

1st Lieutenant and Battalion Adjutant . ... M. L. Stephens
2nd Lieutenant and Battalion Quartermaster ... ...B. Ray
Battalion Sergeant Major ... ... T. O. Galloway
Battalion Quartermaster Sergeant ....F. C. Cavender
Staff Orderly ..... M. L. Cox

Band.

Instructor	Prof. R. H. Wootten
2nd Lieutenant	J. Elkan
Sergeant	C. Gurley
Corporal	T. M. Cavender

Companies.

Company "A."	Rank.	Company "B."
A. Gaskins	Captain	A. A. Burch
G. N. Bynum	1st Lieutenant	C. S. Phillips
M. C. Gay	2nd Lieutenant	H. E. Whelchel
H. V. Johnson	1st Sergeant	C. Burnett
E. J. Cavender	Sergeant	E. D. Willingham
H. Neal	Sergeant	R. H. Kent
J. E. Creel	Sergeant	C. J. Brooksher
R. C. Davis	Sergeant	V. W. Castleberry
C. S. Brown	Sergeant	(Vacancy)
F. Pfeffer	Corporal	G. E. Rice
J. D. Black	Corporal	C. J. Hamilton
W. R. Tucker	Corporal	A. S. Johnson
J. P. Baker	Corporal	C. E. Power
J. T. Miller	Corporal	R. J. Martin

ADVANTAGES OF MILITARY EDUCATION.

The benefits that the student derives from military training are moral, mental and physical, and are as valuable to the citizen as to the soldier. Military instruction develops the student morally by instilling principles of patriotism, courage, obedience to law and respect for lawful authority, while military discipline enjoins correct habits of living. Military instruction aids greatly in the student's mental development by its constant demand for alertness in thought and action. By a well devised system of military drill the most sluggish mind is soon trained to respond promptly to every command.

The physical advantages derived from daily military exercise in the open air, viz: improved health, well developed physique, graceful carriage, manly address and neatness of appearance are too well known to deserve further comment. While the gymnasium and field sports aid, as a rule, in the physical development of the strong only, the military exercise extends this benefit to all.

We are making good soldiers, but we are making better citizens.

In the present age the discipline of an army differs very little from the discipline of a great industrial corporation, and every attribute of the good soldier is appreciated and rewarded as promptly in the business world as in the army.

Instruction.

The course of instruction, theoretical and practical, in the military department is prescribed by the United States War Department, and this prescribed course is rigidly followed. The course includes:

(*a*) *Practical*—

Infantry drill, close and extended order, through the school of the battalion.

Advance and rear guard, and outposts.

The ceremonies of battalion review, inspection, parades, guard-mounting and escort of the colors.

Infantry target practice.

Instruction in first aid to the injured.

Instruction in guard duty.

Light artillery drill in the school of the cannoneer.

(*b*) *Theoretical*—

The Infantry Drill Regulations covered by the practical instruction.

The Manual of Guard Duty.

Small Arms Firing Regulations.

The articles of war.

And the following records:

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Enlistment and discharge papers, including descriptive lists.
Morning reports.
Field and monthly returns.
Muster rolls.
Rosters.
Rations returns.
Requisitions.
Property returns.

In addition, lectures each year upon the following subjects:

The organization of the United States Army, including volunteers and militia.
Patrols and outposts.
Marches.
Camps and camp hygiene.
Lines and bases of operations.
Attack and defense of advance and rear guards and outposts, and convoys.

Military duty is obligatory on all male students over fifteen and under twenty-five years of age and not laboring under physical disability; ordained preachers in charge of churches are also excused, and State teachers having three years' experience taking the special Normal course. In case of disability, the fact must be certified to by

the College surgeon. But every student is liable to such military studies and modified military duty as he may be found capable of performing.

Uniforms.

The uniform has been selected with a view to making it as inexpensive for the cadet as possible, and is neat and durable. An estimate of the cost of same, as given below, shows it to be far less expensive than other kinds of clothing. Arrangements have been made by which uniforms and equipment will be purchased under contract with a military furnishing house and furnished to the cadet at net cost. All uniforms must be inspected as to fit and quality and accepted by the Commandant of Cadets.

Cadets will wear the uniform at all times during the school term, and deposit to cover entire cost of same must be made at time of matriculation. It consists of the following:

Full Dress Uniform:—Dark blue cap, army pattern; dark blue blouse made of 18 oz. goods; white duck trousers and white belt and gloves.

Dress Uniform:—Cap and blouse and gloves same as full dress uniform; cadet grey trousers, made of 22 oz. goods.

Fatigue Uniform:—Campaign hat; chambray shirt; jeans trousers and brown duck leggings. (This uniform subject to change.)

Expenses.

Dress Uniform	$14.00
2 pairs white duck trousers for full dress	2.50
White belt and ½ dozen pairs white gloves	0.75
1 Campaign hat	1.00
½ dozen chambray shirts	2.00
1 pair jeans trousers	0.75
1 pair leggings	0.40
½ dozen standing collars	0.75
Total cost of uniform clothing for one year	$22.65

The dress uniform can be easily made to answer for two years use, and the only additional expense for uniform clothing would be the slight cost for extra fatigue uniform. To the above list of expense should be added the cost of an annual encampment of about $3.00, which encampment, lasting one week, will be arranged for if practicable.

ENTRANCE REQUIREMENTS.

In view of the dormitory system of boarding and the military system of discipline prevailing in the college, no student under fifteen years of age will be permitted to enter college unless under the care of parents or relatives in the community.

All applicants for Sub-Freshman B and A Classes will be required to stand written examinations in English, Mathematics, and United States History similar to the specimen examinations printed in the catalogue.

All entrance examinations will be held during the two first days of the fall term.

Specimen Test in English Grammar, For Entrance to Sub-Freshman B. Class.

1. Name the parts of speech, giving an example of each.
2. What are the parts of a sentence?
3. What is the difference between a phrase and a clause?
4. Write an interrogative sentence containing an adverb.
5. How can you tell when a word is a noun? a verb? a pronoun? a proper noun?
6. What does the possessive case do?
7. Decline the pronoun *I*, the noun *boy*.
8. Write a sentence containing a conjunction.
9. Write a phrase containing a preposition.
10. Tell in a few lines how much grammar you have studied, and why you found it a hard study, signing your name, and dating your paper.

Specimen Examination in English Grammar, For Entrance to Sub-Freshman A Class.

1. Explain and illustrate transitive and intransitive verbs.
2. Explain how the regular or new conjugation, and the irregular or old conjugation are formed. Illustrate.
3. Give principal parts of *ride, throw, burst, lie, fly, flee.*
4. Explain and illustrate the active and the passive voice.
5. Give construction of following emphasized words: (a) That cadet has become a **captain.** (b) Now, **doctor,** please tell **us** a story. (c) He waited an **hour** for the note and then went **home.**
6. Explain fully the following infinitives: (a) I want to buy some books. (b) Writing letters to her was a pleasure. (c) He gained the prize by running the race.
7. Explain the following participle: (a) I watched the man climbing the hill.

8. Name and illustrate the classes of adverbs.
9. Analyze briefly:
   (a) I know when he entered college.
   (b) This book that my sister gave me is the life of Lee.
   (c) I heard that the lecture was very interesting.

Specimen Test in United States History, For Entrance to Sub-Freshman B Class.

1. What European nations made settlements in the New World, and in what parts?
2. What great wars were fought during the past history of our country?
3. Name as many as you can of the original thirteen colonies?
4. What do you know of the settlement of Georgia?
5. Tell what you know of the following:
   Jefferson, Andrew Jackson, Lincoln.
6. Narrate some famous naval battle in the history of America.
7. What do you know about William Penn? Patrick Henry? Daniel Webster?
8. Tell an incident in the life of Stonewall Jackson.

Specimen Examination in United States History, For Entrance to Sub-Freshman A Class.

1. In what part of North America were settlements made by Spaniards? the French? the English?
2. Who were the Puritans?
3. Narrate the settlement of Virginia, of Georgia.
4. Summarize the causes of the Revolutionary War.
5. Tell what you know of the Constitutional Convention.
6. Describe the life of the New England Colonists as compared with that of the Southern Colonists.
7. What is meant by the Alien and Sedition laws?
8. Explain the Monroe Doctrine, the Spoils System.
10. What was the Missouri Compromise? the Fugitive Slave Law? Nullification?
11. Explain the Valley Campaign, the Seven Days Fighting around Richmond.
12. What are the three plans for reconstruction?
13. Narrate the impeachment of President Johnson.
14. What was the Centennial Exhibition?
15. Give the causes of the Spanish-American War.

Answer any ten questions.

Writtn examinations in Arithmetic and Algebra will be required for entrance to B and A classes.

CONDENSED SCHEDULE OF COURSES.

Figures opposite subjects refer to number of hours per week.

SUB-FRESHMAN B CLASS—ALL COURSES, EXCEPT B. B. S.

1st Term.		2nd Term.	
English	5	English	3
History	5	History	2
Mathematics	5	Science	5
Latin	5	Mathematics	5
		Latin	5

SUB-FRESHMAN A CLASS—ALL COURSES, EXCEPT B. B. S.

1st Term.		2nd Term.	
English	5	English	5
History	3	History	5
Mathematics	5	Mathematics	5
Phys.-Geog.	5	Latin	5
Latin	5	Elemen.-Phys.	3

SHORT COURSES.

FRESHMAN CLASS.

B. Ped. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	History	5
Science	5	Science	5
Pedagogy	2	Latin	5
History	5	Pedagogy	2

B. B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
History	5	History	5
Bookkeeping	5	Bookkeeping	5
Typewriting	5	Typewriting	5
Penmanship	5	Penmanship	5

Two Year Course in Agriculture.

First Term.		Second Term.	
English	5	Mathematics	5
Mathematics	5	English	5
Science	5	Science	5
Elemen. Agriculture	3	Elemen. Agriculture	3
Drawing	2	Drawing	2

SOPHOMORE CLASS.

B. Ped. Course.

First Term.		Second Term.	
English	5	English	5
Latin	5	Latin	5
Mathematics	5	History	3
History	3	Mathematics	5
Science	5	Science	5
Pedagogy	2	Pedagogy	2

B. B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
History	3	History	3
Bookkeeping	5	Bookkeeping	5
Shorthand	5	Shorthand	5
Typewriting	5	Typewriting	5
Modern Business Methods	2	Commercial Geography	2

Two Year Course in Agriculture. (Graduate Year).

First Term.		Second Term.	
Mathematics	5	Mathematics	5
Science	5	Science	5
Soils, Breeds and Breeding	3	Soils, Breeds and Breeding	3
Bookkeeping	3	Geol., Manures, Fertilizers	3
Geol., Manures, Fertilizers	3	Stock judging, propagation and care of plants	2
Stock judging, propagation and care of plants	2	Horticulture	3
Horticulture	3		

JUNIOR CLASS.

B. Ped. Course. (Graduate Year). Elective.

First Term.		Second Term.	
English	3	English	3
Ethics	2	Ethics	2
Psychology	3	Psychology	3
Pedagogy	2	Pedagogy	2
Science	5	Science	5
Economics	5	Economics	5

B. B. S. Course. (Graduate Year).

First Term.		Second Term.	
English	3	English	3
Banking	5	Advertisement Writing	5
Shorthand	5	Shorthand	5
Business Correspondence	5	Commercial Law	5
Typewriting	5	Typewriting	5
Commercial Arithmetic	5	Civil Service	5

LONG COURSES.

FRESHMAN CLASS.

A. B. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
History	5	History	5

B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
History	5	History	5
Science	5	Science	5

B. S. in Agr. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
Elemen. Agriculture	3	Elemen. Agriculture	3
Science	5	Science	5

E. M. FRESHMAN YEAR.*

First Term.			Second Term.		
English	5		English	5	
Algebra	5		Algebra	5	
Geometry	5		Trigonometry	5	
Descrip. Geom.	2		Descrip. Geom.	2	
Mech. Drawing		15	Descriptive Drawing		15

*Complete B. S. Freshman before entering.

SOPHOMORE CLASS.

A. B. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
History	3	History	3
or			
Science	5		

B. S. Course.

First Term.		Second Term.	
English	5	English	5
Latin or French	5	Latin or French	5
Mathematics	5	Mathematics	5
Science	5	Science	5
History	3	History	3

B. S. in Agr. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
Soils, Breeds and Breeding	3	Soils, Breeds and Breeding	3
Science	5	Science	5
Surveying	2	Surveying	2

E. M. SOPHOMORE YEAR.

First Term.			Second Term.		
Crystallog and B. P.	1	5	Mineralogy	2	6
Gen Chem.	5	5	Analytical Geom.	2	
Eng. Comp	1		Calculus	3	
Analytical Geom.	2		Qual. Analysis	1	9
Calculus	3		Physics	5	2
Physics	5	3	Gen. Chemistry	5	
			Lectures on Mine Surveying	2	

JUNIOR CLASS.

A. B. Course. Elective.

First Term.		Second Term.	
English	3	English	3
Philosophy	2	Philosophy	2
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
Science	5	Science	5

B. S. Course. Elective.

First Term.		Second Term.	
English	3	English	3
Latin or French	5	Philosophy	2
Mathematics	5	Mathematics	5
Science	5	Latin or French	5
History	2	History	2
Philosophy	2	Science	5

B. S. in Agr. Course.

First Term.		Second Term.	
Eng., Hist., French or Latin..	5	Eng., Hist., French or Latin..	5
Botany and Geology	3	Botany and Geology	3
Grasses, Forage Crops	3	Grasses, Forage Crops	3
Hort., Econ., Entomol.	3	Hort., Econ., Entomol.	3
Propagation and care of Plants	2	Propagation and care of Plants	2
Stock Judging, etc.	2	Stock Judging, etc.	2
Soil Physics	2	Soil Physics	2

E. M. JUNIOR YEAR.

First Term.			Second Term.		
Quant. Analysis	1	9	Quant. Analysis	1	9
Mechanics	3		Mechanics	3	
Metallurgy of Lead	3		Metallurgy of Copper ..	3	
Geology	4		Lithology	1	5
Graphics	2		Graphics, Drawing..		4

SENIOR CLASS.

A. B. Course. Elective.

First Term.		Second Term.	
English	5	English	5
Philosophy	3	Philosophy	3
Science	3	Science	3
Latin	2	Latin	2
Poiltical Science	5	Economics	5

B. S. Course. Elective.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Science	5	Science	5
Poiltical Science	5	Economics	5

B. S. in Agr. Course.

First Term.		Second Term.	
Eng., Hist., French or Latin..	5	Eng., Hist., French or Latin..	5
Bookkeeping, Econom.	3	Bookkeeping, Econom.	3
Vegetable and Landscape Gardening	3	Vegetable and Landscape Gardening	3
Forest and Entomology	3	Forest and Entomology	3
Rural Eng., Manures and Fertilizers	2	Rural Eng., Manures and Fertilizers	2
Hist. of Agriculture	3	Hist. of Agriculture	3

E. M. SENIOR YEAR.

First Term.			Second Term.		
Structural Drawings.. ..		6	Thesis...		12
Structures	2		Mining	3	
Econ. Geology...	3		Econ. Geology...	3	
Mining	3		Hydraulics	3	
Elect. Power Transmission	3		Elect. Power Transmission	3	
Hydraulics	3		Assaying, fire...		9
Technical Chem.	2		Metallurgy, gold and ...		
Cement Laboratory... ..		3	silver	4	

ROLL OF STUDENTS 1906-07—Those marked 1, 2, 3, 4, 5, 6 belong respectively to Senior, Junior, Sophomore, Freshman, Sub-Freshman, A and B.

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Abercrombie, T. E., 6	Lumpkin	Ga.	Farmer	Country
Adams, G. H. , 3	Crisp	Ga.	R. R. official	Town
Akers, William, 5	Fulton	Ga.	Merchant	City
Anderson, L. J., 5	Dawson	Ga.	Farmer	Country
Ash, H. M., 5	White	Ga.	Farmer	Country
Baker, J. P., Jr., 3	Troup	Ga.	Farmer	Country
Baker, R. E., 6	Lumpkin	Ga.	Lawyer	Town
Ball, J. F., 5	Butts	Ga.	Farmer	Country
Bell, T. G., 5	Spaulding	Ga.	Farmer	Country
Berrong, F. P., 4	Towns	Ga.	Real estate	Town
Berry, D. P., 3	Spaulding	Ga.	Book keeper	City
Black, J. D., 4	Dawson	Ga.	Merchant	Country
Black, W. A., 5	Forsyth	Ga.	Farmer	Country
Bond, E. R., 4	Anderson	S. C.	Farmer	Country
Braselton, G. A., 6	Lumpkin	Ga.	Farmer	Country
Braselton, J. R., 6	Lumpkin	Ga.	Farmer	Country
Braselton, L. S., 6	Lumpkin	Ga.	Farmer	Country
Bratton, John, Jr., 5	Fulton	Ga.	Editor	City
Breedlove, E. C., 6	Walton	Ga.	Farmer	Country
Broach, H. C., 5	Walton	Ga.	Farmer	Country
Brooksher, Carrie, 5	Lumpkin	Ga.	Stock dealer	Town
Brooksher, C. J., 4	Lumpkin	Ga.	Stock dealer	Town
Brown, C. B., 4	Camden	Ga.	Farmer	Country
Brown, R. A., 6	Fulton	Ga.	Merchant	City
Buchanan, C. T., 4	Butts	Ga.	Merchant	Town
Bulloch, S. T., 6	Meriwether	Ga.	Farmer	Town
Burch, A. A., 2	Montgomery	Ga.	Naval stores	Town
Burgamy, Hardy, 6	Bibb	Ga.	Blacksmith	City
Burnett, Carl, 3	Lumpkin	Ga.	Farmer	Town
Burt, Blanche, 6	Dawson	Ga.	Minister	Town
Bynum, G. L., 5	Rabun	Ga.	Farmer	Country
Bynum, G. N., 3	Rabun	Ga.	Farmer	Country
Caraway, R. M., 6	Fulton	Ga.	Farmer	City
Carmichael. S. J., 4	Butts			Country

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Castleberry, V. W., 4	Lumpkin	Ga.	Hotel Proprietor	Town
Cavender, E. J., 3	Lumpkin	Ga.	Doctor	Town
Cavender, F. C., 3	Lumpkin	Ga.	Doctor	Town
Cavender, Nellie, 5	Lumpkin	Ga.	Doctor	Town
Cavender, T. M., 4	Lumpkin	Ga.	Doctor	Town
Chamlee, B. I., 5	Cherokee	Ga.	Farmer	Country
Charters, G. P., 2	Lumpkin	Ga.	Lawyer	Town
Charters, Isabelle, 4	Lumpkin	Ga.	Lawyer	Town
Christian, C. L., 5	Ben Hill	Ga.	Lumberman	Town
Cochran, H. B., 6	Lumpkin	Ga.	Farmer	Country
Collins, W. M., 4	Chatham	Ga.	Merchant	City
Cox, C. C., 6	Gilmer	Ga.	Marble Dealer	Town
Cox, C. H., 6	Pickens	Ga.	Blacksmith	Country
Cox, M. L., Jr., 6	Gilmer	Ga.	Marble Dealer	Town
Craig, Mattie, 5	Lumpkin	Ga.	Lawyer	Town
Crawley, E. H., 6	Ben Hill	Ga.	Stock Dealer	City
Creel, J. E., 4	Fulton	Ga.	Farmer	Town
Daniel, W. J., 5	Dodge	Ga.	Stock Dealer	Town
Dasher, A. L., Jr., 4	Bibb	Ga.	Lawyer	City
Davidson, J. W., 3	Fulton	Ga.	Merchant	City
Davis, R. C., 4	Troup	Ga.	Farmer	Country
Davis, R. L. 4	Walker	Ga.	Farmer	Country
Denham, E. T., 4	Putnam	Ga.	Farmer	Country
Dickey, F. T., 5	Cherokee	N. C.	Merchant	Town
Dorminy, E. L., 5	Ben Hill	Ga.	Farmer	Country
Duncan, Fannie, 5	Dawson	Ga.	Merchant	Town
Edwards, R. N., 6	Hart	Ga.	Manufacturer	Country
Elkan, Julius, 1	Whatcom	Wash.	Merchant	City
Elliott, Emma, 5	Dawson	Ga.	Farmer	Country
England, C. L., 5	Lumpkin	Ga.	Butcher	Town
Evans, Lula, 4	Lumpkin	Ga.	County official	Town
Evans, May, 5	Lumpkin	Ga.	County official	Town
Fender, L. W., 6	Tift	Ga.	Naval stores	Town
Fender, W. I., 6	Tift	Ga.	Naval Stores	Town

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Ferris, R. W., 6	Fulton	Ga.		City
Findley, J. W., 2	Lumpkin	Ga.	Farmer	Town
Floyd, J. S., 5	Laurens	Ga.	Farmer	Town
Floyd, M. H., 5	Chatham	Ga.	Merchant	Country
Foote, W. W., 5	Jackson	Ga.	Minister	Town
Fraser, C. W., 5	Liberty	Ga.	County official	Town
Fry, Miss Marion, 5	Lumpkin	Ga.	Civil Engineer	Town
Gaillard, Emily, 6	Lumpkin	Ga.	Teacher	Town
Gaines, H. M., Jr., 4	Fulton	Ga.	Supt. Pull. Car Co.	City
Galloway, T. O., 3	Elbert	Ga.	Farmer	Country
Garner, H. P., 4	Gwinnett	Ga.	Merchant	Town
Gaskins, Alvah, 1	Berrien	Ga.	Farmer	Country
Gay, M. C., 3	Cherokee	Ga.	Farmer	Country
Glenn, Lilian, 4	Lumpkin	Ga.	Teacher	Town
Glenn, Louise, 4	Lumpkin	Ga.	Teacher	Town
Gober, H. C., 6	Dawson	Ga.	Farmer	Country
Godbee, H. C., 4	Burke	Ga.	Farmer	Country
Gray, R. C., 4	Hamilton	Tenn.	Drummer	City
Gregory, L. T., Jr., 6	Duval	Fla.	Banker	City
Gurley, Crawford, 3	Lumpkin	Ga.	Merchant	Town
Hamilton, C. J., 4	Gwinnett	Ga.	Merchant	Town
Hancock, D. C., 6	Floyd	Ga.	Ice Manufacturer	City
Harbour, T. P., 5	Floyd	Ga.	Merchant	Town
Harley, F. H., 6	Lowndes	Ga.	Merchant	City
Head, Myrtie, 6	Lumpkin	Ga.	Farmer	Country
Henderson, F. H., 6	Catoosa	Ga.	Farmer	Country
Henderson, J. F., 4	Catoosa	Ga.	Farmer	Country
Hightower, W. H., 6	Tift	Ga.	Lumberman	Town
Holland, H. E., 6	Screven	Ga.	Merchant	Town
Hooten, H. R., 6	Butts	Ga.	Merchant	Town
Hudlow, Emma, 6	Lumpkin	Ga.	Seamstress	Town
Huggins, J. R., 6	Screven	Ga.	Naval stores	Town
Humphrey, J. R., 5	Pickens	Ga.	Superintendent	Country
Jackson, Ella May, 6	Lumpkin	Ga.	Farmer	Country

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Jackson, Maud, 3	Lumpkin	Ga.	Merchant	Town
Jarrard, Lizzie, 5	Lumpkin	Ga.	Farmer	Country
Johnson, A. S., 4	Hall	Ga.	Farmer	Country
Johnson, H. V., 3	Lumpkin	Ga.	Farmer	Country
Johnson, Mary, 4	Lumpkin	Ga.	Miner	Town
Jones, J. W., 6	Pulaski	Ark.	Mechanic	City
Jones, R. V., 6	Union	Ga.	Farmer	Country
Kaiser, W. G., 6	Fulton	Ga.	Fireman	City
Kellam, A. R., 6	Fulton	Ga.	City official	City
Kent, R. H., 4	Jenkins	Ga.	Farmer	Country
King, R. L., 5	Camden	Ga.	Merchant	Country
Kirby, J. W., 5	Gilmer	Ga.	Editor	Town
Lavender, Fort, 6	Floyd	Ga.	R. R. Agent	City
Lazenby, E. K., 5	McDuffie	Ga.	Farmer	Country
Liles, Alexander, 5	Camden	Ga.	Merchant	Country
Logan, J. E., 6	Sumter	Ga.	Doctor	Country
Lott, S. A., 6	Coffee	Ga.	Farmer	Country
Mansfield, J. E., Jr., 3	Clay	Ga.	Merchant	Town
Martin, R. J., 5	Hall	Ga.	Merchant	Town
Massey, Jesse L., 5	Hart	Ga.	Farmer	Country
McClure, Edward, 4	Milton	Ga.	Farmer	Country
McClure, J. A., 5	Dawson	Ga.	Merchant	Country
McDaniel, W. C., 5	Dougherty	Ga.	Merchant	City
McDonald, Campbell, 4	Houston	Ga.	Merchant	Town
McDonald, H. A., 4	DeKalb	Ga.	Banker	Town
McDonald, Rosa, 4	Lumpkin	Ga.	Mechanic	Country
McGee, Callie, 5	Lumpkin	Ga.	Merchant	Town
McGuire, Fannie, 3	Lumpkin	Ga.	Merchant	Town
McKee, M. W., 5	DeKalb	Ga.	Farmer	Country
McKee, V. H., 4	DeKalb	Ga.	Farmer	Country
McLean, C. G., 5	Bullock	Ga.	Dentist	Town
McNelly, C. D., 6	Fannin	Ga.	Merchant	Town
Meredith, A. W., 5	Anderson	S. C.	Farmer	Country
Miller, A. C., 5			Lawyer	City

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Miller, D. R., 6	DeKalb	Ga.	Farmer	Country
Miller, J. T., 5	DeKalb	Ga.	Merchant	Town
Miller, Orme, 6	DeKalb	Ga.	Merchant	Town
Millican, H. A., 6	Carroll	Ga.	Farmer	Country
Moore, Irene, 3	Lumpkin	Ga.	Merchant	Town
Moore, R. V., 2	Lumpkin	Ga.	Merchant	Town
Morgan, H. F., 6	Fulton	Ga.	Drummer	City
Morris, John B., 5	Hart	Ga.	Farmer	Country
Myers, C. A., 5	Roanoke	Va.	Contractor	Town
Myers, Zed D., 5	Gwinnett	Ga.	Farmer	Town
Neal, Cecil, 4	Hall	Ga.	Doctor	City
Neal, Harry, 4	Harris	Ga.	Merchant	Town
Nelson, H. E., 5	Union	Ga.	Farmer	Country
Nunnally, W. W., 5	Walton	Ga.	Farmer	Country
Oliver, R. E., 6	Chatham	Ga.	Farmer	Town
Parks, W. B., 6	Fulton	Ga.	Journalist	City
Patton, T. B., 6	Town		Doctor	Town
Peacock, K. B., 5	Levy	Fla.	Naval Stores	Town
Pfeffer, Fred, 4	Hall	Ga.	Brickmaker	City
Phillips, B. H., 4	Fannin	Ga.	Lumberman	Country
Phillips, C. S., 1	Fannin	Ga.	Lumberman	Country
Porter, Paul C., 5	Floyd	Ga.	Merchant	Town
Power, C. E., 3	Dooly	Ga.	Teacher	Town
Ray, Bruce, 1	Fannin	Ga.	Farmer	Country
Ray, Clark, 4	Fannin	Ga.	Farmer	Country
Reese, C. E., 5	Fulton	Ga.	Merchant	City
Reid, M. J., 5	Lincoln	Ga.	Farmer	Country
Rice, G. E., 4	Forsyth	Ga.	Farmer	Country
Richardson, Emma, 6	Dawson	Ga.	Real Estate	Town
Riley, F. T., 5	Houston	Ga.	Lawyer	Town
Roberts, W. A., Jr., 5	Hale	Ala.	Drummer	Town
Roberson, P. E., 6	Ben Hill	Ga.	Dentist	City
Ruan, Elizabeth, 6	Bibb	Ga.	Cotton Broker	City
Sanders, E. E., 6	Hart	Ga.	Farmer	Country

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Saunders, J. M., 5	Irwin	Ga.	Insurance Agent	Town
Shahan, Craig, 5	Walker	Ga.	Merchant	Country
Shahan, Henry, 5	Walker	Ga.	Merchant	Country
Shed, Lizzie, 2	Jackson	Ga.	Minister	Country
Sheldon, W. A., 5	Fulton	Ga.	Paymaster	City
Sims, W. A., Jr., 6	Fulton	Ga.	Merchant	City
Sims, W. A., Sr., 1	Oconee	Ga.	Farmer	Country
Smith, E. W., 6	Hall	Ga.	Farmer	Country
Smith, R. D., 4	Hall	Ga.	Farmer	Country
Stanton, Frances, 4	Lumpkin	Ga.	Merchant	Town
Stephens, M. L., 1	Heard	Ga.	Farmer	Country
Stevens, R. L., 5	Habersham	Ga.	State official	Country
Stone, F. A., 4	Jefferson	Ga.	Merchant	Town
Strickland, F. E., 6	Tangipahoa	La.	Mechanic	Town
Thaxton, G. C., 4	Butts	Ga.	Mechanic	Town
Thomas, J. W., 6	Fulton	Ga.	U. S. official	City
Thomas, Mary, 5	Lumpkin	Ga.	Merchant	Town
Timmons, W. W., 5	Tift	Ga.	Naval Stores	Town
Townsend, E. M., 6	Whitfield	Ga.	Merchant	Town
Tucker, W. R., 5	Dawson	Ga.	Farmer	Town
Turner, B. D., 5	Escambia	Fla.	City official	City
Vandiviere, E. C., 4	Dawson	Ga.	Lawyer	Town
Vaughan, Paul W., 4	Lumpkin	Ga.	Clerk	Town
Veal, Guy C., 6	Carroll	Ga.	Merchant	Town
Verner, W. J., 6	Walton	Ga.	Farmer	Town
Vinton, L. M., 5	Berrien	Ga.	Saw mill man	Town
Walden, J. W., 6	Lumpkin	Ga.	Farmer	Country
Watkins, J. E., 6	Hall	Ga.	Teacher	Country
Weeks, Jesse W., 6	Fannin	Ga.	Farmer	Country
West, W. G., 6	Gilmer	Ga.	Farmer	Country
Whelchel, H. E., 3	Hall	Ga.	Farmer	Country
Whelchel, R. F., 5	Hall	Ga.	Farmer	Country
Wilkinson, H. E., 6	Fulton	Ga.	County official	City
Willingham, E. D., 3	Fulton	Ga.	Merchant	City
Wood, H. G., 5	Pickens	Ga.	Druggist	Town
Wright, O. T., 3	Elbert	Ga.	State official	Town

SUMMARY.

Total Enrollment	206
States represented	10
Counties of Georgia represented	61
Farmers' children represented	73
Merchants' children represented	13
Lawyers' children represented	8
Doctors' children represented	7
Teachers' children represented	5
Other avocations represented	72
Those living in the country	83
Those living in towns	87
Those living in cities	36
Total number of male students	178
Total number of female students	23

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Bates, M. G.	Atlanta, Tex.	Teacher	1875-1878	Murray Co.	1878	Was Supt. of School at Ft. Worth
Coffee, R. N.	Texas.	Lawyer	1875-1878	Gordon Co.	1878	
Collier, G. W.	Atlanta, Ga.	Merchant	1875-1878	Fulton Co.	1878	
Crusselle, W. F.	Atlanta, Ga.	Journalist	1875-1878	Fulton Co.	1878	Prof. in N. G. A. C. several years.
Earl, E. B.*		Teacher	1875-1878	Floyd Co.	1878	
Gray, J. R.	Atlanta, Ga.	Journalist Lawyer	1876-1878	Bartow Co.	1878	Editor of Atlanta Journal.
Harris, W. D.	Fort Worth, Tex.	Lawyer	1875-1878	Murray Co.	1878	Judge.
Lewis, Miss Willie* (Mrs. Littlefield)			1873-1878	Lumpkin Co.	1878	
Starr, O. N.	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator.
Starr, Trammell*	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator.
Abernathy, J. H.		Teacher Merchant	1878-1879		1879	
Henley, J. W.	Jasper county.	Lawyer	1875-1879	Murray Co.	1879	County School Commissioner.
Chapman, Miss Lizzie	Cuba, Ga.	Teacher	1874-1879	Lumpkin Co.	1879	
Gaillard, J. J.	Macon, Ga.	Civil Eng.	1873-1880	Spalding Co.	1889	Chief Engineer G. S. & F. R. R.
Lewis, Mary R. (Mrs. W. F. Crusselle)	Atlanta, Ga.		1873-1880	Lumpkin Co.	1880	
Wilson, H. E.	Savannah, Ga.	Lawyer	1877-1880	Effingham Co.	1880	(high schools.
Wilson, W. S.	Savannah, Ga.	Physician	1877-1880	Effingham Co.	1880	Prof. in N. G. A. C. and several
Watt, C. E.	Camilla, Ga.	Farmer	1877-1881	Forest, Ala.	1881	Won Stevens' Medal in Military.
Power, C. G.	Culloden, Ga.	Teacher	1878-1881	Cobb Co.	1881	Stevens' Medal for best record.
Davis, Sallie G.*			1873-1881	Lumpkin Co.	1881	
McDaniel, Mrs. Fannie			1880-1881	Carroll Co.	1881	
Hutchins, Mrs. Lizzie	Early, S. C.		1873-1881	Lumpkin Co.	1881	
Henderson, Calvin	Ark.	Teacher	1880-1882	Paulding Co.	1882	
Stow, M. N.	Dawsonville, Ga.	Physician	1876-1882	Lumpkin Co.	1882	Mayor of Dawsonville, Ga.
Peeples, L. C.	Dawson county.		1880-1882	Terrell Co.	1882	
Mann, W. E.	Ringgold, Ga.	Lawyer	1880-1882	Floyd Co.	1882	Senator.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Napier, G. M.	Monroe, Ga.	Lawyer	1880-1882	Walker Co.	1882	Journalist; Judge Advocate General and Orator.
Chapman, F. T.*			1874-1883	Lumpkin Co.	1883	(tatives.
Fricks, N. A.			1880-1883	Franklin Co.	1883	Once Member House of Represen-
Jones, W. F.	Elberton, Ga.	Teacher	1881-1883	Troup Co.	1883	Lt. Col. in Georgia Militia.
Key, W. H.	Alabama.	Lawyer	1880-1883	Banks Co.	1883	
Stanton, M. W.	El Paso, Texas.	Lawyer	1881-1883	Gordon Co.	1883	
Willis, G. T.*		Clerk	1880-1883	Jackson Co.	1883	
Boyd, J. W.	Dahlonega, Ga.	Teacher	1880-1884	Dahlonega, Ga.	1884	Prof. Young Harris. Now Prof. of
Coleman, E. W.	Canton, Ga.	Lawyer	1880-1884	Talking Rock, Ga.	1884	Math. at N. G. A. C.
Coleman, W. S.	Cedartown, Ga.	Journalist	1880-1884	Talking Rock, Ga.	1884	Ed. Cedartown Standard and Pres. Ga.
Martin, W. C.	Dalton, Ga.	Lawyer	1881-1884	Spring Place, Ga.	1884	Weekly Press Asso.
Wardlaw, J. A.	Chattanooga, Tenn.	Merchant	1882-1884	Chattanooga, Tenn.	1884	
Wills, A. J.	Rome, Ga.	Dentist	1880-1884	Jefferson Co.	1884	
Wills, Miss Mamie (Mrs. John Ross)			1880-1884	Jefferson Co.	1884	
Cavendar, J. M.	Chattanooga, Tenn.		1883-1885	Ringgold, Ga.	1885	
Crusselle, G. W.			1884-1885	Atlanta, Ga.	1885	
Lively, M. L.	Atlanta, Ga.		1882-1885	Norcross, Ga.	1885	
Cartledge, S. J.	Anderson, S. C.	Preacher	1884-1885	Bold Springs, Ga.		Pastor Presbyt'rn Church, Anderson,
Canning, N. G.		Lawyer	1883-1886	Flowery Branch, Ga.	1886	S. C.
Cato, E. T.		Teacher	1883-1886	Glenville, Ala.	1886	
Cato, J. C.			1883-1886	Glenville, Ala.	1886	
Fisher, L. O.	Ozark, Ala.	Lawyer	1881-1886	Alpharetta, Ga.	1886	
Standard, C. T.			1882-1886	Marietta, Ga.	1886	
Stribbling, J. P.		Farmer	1883-1886	Richland, S. C.	1886	
Craig, D. S.	Atlanta, Ga.	Lawyer	1886-1887	Walhalla, S. C.	1887	
Nesbit, K. A.	Fairburn, Ga.	Lawyer	1882-1887	Fairburn, Ga.	1887	
Phillips, E. L.	Griffin, Ga.	Farmer	1884-1887	Griffin, Ga.	1887	
Phillips, J. H.	Milner, Ga.	Physician	1884-1887	Griffin, Ga.	1887	
Fletcher, H. M.	Birmingham, Ala.	Lawyer	1884-1888	Jackson, Ga.	1888	
Morris, J. H.		Teacher	1884-1888	Griffin, Ga.	1888	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Sheldon, W. A.	Westminster, S. C.	Physician	1886-1888	Westminster, S. C.	1888	
Swanson, W. T.		Teacher	-1888	Blairsville, G'a.	1888	
Woodward, J. C.	College Park, Ga.	Teacher	1884-1888	Jackson, Ga.	1888	President Georgia Military Academy.
Mincy, W. H.	Woodstock, Ga.	Teacher	1884-1889	Two Run, Ga.	1889	Degree A. M.
Shelton, W. H.	Athens, Ga.	Broker	1885-1889	Jay, Ga.	1889	Maj. U. S. A. V. in Spanish War.
Stribling, T. M.	Perry, Mo.	Preacher	1886-1889	Richland, S. C.	1889	Lt. U. S. V. Spanish-Am. War.
Almand, E. H.	Nashville, Tenn.	Merchant	1886-1889	Conyers, Ga.	1889	
Chamblee, W. R.*		Lawyer	1888-1890	Pendergrass, Ga.	1890	
Vickery, E. B.	Dahlonega, Ga.	Teacher	1887-1890	Hartwell, Ga.	1890	Prof. in N. G. A. C. since 1890.
Lawton, Mrs. E. P., nee			1887-1891	Dahlonega, Ga.	1891	Minister, Tex., Con. M. E. Church.
Miss M. L. Basinger						Wife Capt. E. P. Lawton, U. S. A.
Gilbert, T. H.		Preacher	1886-1891	Pendergrass, Ga.	1891	
Almand, J. M.	Decatur, Ga.	Merchant	1887-1891	Conyers, Ga.	1891	
Carmichael, H. B.			1887-1891	Jackson, Ga.	1891	
Clark, J. B.	Eastman, Ga.	Physician	1887-1891	Eastman, G'a.	1891	
Head, M. H.	Dahlonega, Ga.	Physician	1887-1891	Dahlonega, Ga.	1891	
Harris, B. C.	Savannah, Ga.	Accountant	1887-1891	Dahlonega, Ga.	1891	
McMurry, R. A.	West End, Ga.	Dairyman	1887-1891	Gainesville, Ga.	1891	
Meaders, A. W.	Watkinsville, Ga.	Farmer	1887-1891	Gainesville, Ga.	1891	
Phillips, T. J.	Griffin, Ga.	Physician	1887-1891	Griffin, Ga.	1891	
Dendy, W. E.		Teacher	1887-1891	Richland, Ga.	1891	
Fouche, J. S.	Rome, Ga.	Lawyer	1887-1891	Rome, Ga.	1891	
Whelchel, Miss Louise	Dahlonega, Ga.	Teacher	1887-1891	Dahlonega, Ga.	1891	C. S. C. Franklin county.
Worley, Miss Anna Lee	Dahlonega, Ga.		1887-1891	Dahlonega, Ga.	1891	Librarian N. G. A. College.
	Carnesville, G'a.	Teacher	1889-1892	Mt. Airy, Ga.	1892	
Allen, J. P. B.		Teacher	1887-1892	Dahlonega, Ga.	1892	Teacher in Savannah.
Ryals, Jas. W.	Savannah, Ga.	Merchant	1889-1892	Savannah, G'a.	1892	
Wood, Geo. B.	Savannah, Ga.	Merchant	1888-1892	Bawsonville, Ga.	1892	
Johnson, Miss Emily	Texarkana, Tex.		1891-1892	Marietta, Ga.	1892	
McMullan, W. B.	Hartwell, Ga.	Farmer	1890-1893	Hartwell, Ga.	1893	
Pitner, J. M.	Thompson, Ga.	Teacher	1889-1893	Two Run, Ga.	1894	C. S. C. Rockdale county.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Steele, W. H.	Pickens, S. C.	Doctor	1889-1893	Stewart, S. C.	1894	
Hammock, A. D.	Conyers, Ga.	Teacher	1892-1895	Conyers, Ga.	1895	
Kimsey, W. L.*		Teacher	1895-1895	Clarkesville, Ga.	1895	
Alexander, D. H.		U. S. Mail Service	1891-1895	Salem, S. C.	1895	
Roberts, Miss Alice*		Teacher	1890-1895	Dahlonega, Ga.	1895	
Seabolt, T. W.	Pleasant Retreat,	Merchant	1891-1895	Loudsville, Ga.	1895	
Petit, Geo. F.			1893-1895	Cartecay, Ga.	1895	
Bryson, R. M.	Dahlonega, Ga.	Lawyer	1892-189k	Rockpile, Ga.	1895	
Kytle, J. W.	Douglasville, Ga.	Preacher	1894-1896	Center Side, G'a.	1896	
Meaders, F. M.	Gainesville, Ga.	Merchant	1892-1896	Dahlonega, Ga.	1896	U. S. Inspector.
Nix, R. C.	Apple Valley, Ga.	Farmer	1893-1896	Apple Valley, Ga.	1896	
Palmour, Oscar	Atlanta, Ga.	Ins. Agt.	1892-1896	Dougherty, Ga.	1896	
Sinquefield, W. R.	Louisville, Ga.	Farmer	1893-1896	Louisville, Ga.	1896	Wife of Dr. A. M. Rountree.
Palmer, W. P.	Clarksville, G'a.	Lawyer	1892-1897	Clarksville, Ga.	1897	
Roundtree, Mrs. A. M. nee Miss Rogers	Adrian, Ga.		1894-1898	Adrian, Ga.	1898	
Parks, B. G.	Gainesville, Ga.	Lawyer	1895-1899	Murrayville, Ga.	1899	
Johnson, R. L.		Teacher	1897-1899	Grangerville, Ga.	1899	
Clark, E. M.		Bookkpr.	1898-1899	Louisville, Ga.	1899	
Cain, A. W.	Grapeland, Tex.	Teacher	1896-1900	Porter Springs, G'a.	1900	
Curley, H. D., Jr.	Waycross, Ga.	Supt. Telph.	1896-1900	Dahlonega, Ga.	1900	
McClesky, F. H.	Atlanta, Ga.		1898-1900	Blackwells', Ga.	1900	
Peacock, H. L.	Rhine, Ga.	Lumberman	1896-1900	Cochran, Ga.	1900	
Smith, W. M.	Atlanta, Ga.	Lawyer	1896-1900	Augusta, Ga.	1900	
Harris, C. L.	Lavonia, Ga.	Teacher	1897-1900	Silver City, Ga.	1900	
Gaillard, Miss Fannie	Dahlonega, Ga.	Teacher	1896-1900	Dahlonega, Ga.	1900	
McKibben, T. C.			1897-1900	Patillo, Ga.	1900	
Blount, R. M.			1898-1900	Waynesboro, Ga.	1900	
Crisson, Maggie	Dahlonega, Ga.	Nurse	1896-1900	Dahlonega, Ga.	1900	
McKee, W. J.			1898-1900	McKee, Ga.	1900	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Sosebee, R. L.*			1898-1900	Nelson, Ga.	1900	
West, J. W.	College Park, Ga.	Teacher	1897-1901	Vera, Ga.	1901	Prof. G. M. A., College Park.
Harris, S. A.	U. S. Army.	Soldier	1897-1901	Silver City, Ga.	1901	
Whelcel, A. J.		Physician	1897-1901	Dougherty, Ga.	1901	
Shultz, Carl	Wahoo, Ga.	Teacher	1897-1901	Royston, Ga.	1901	
Sosebee, L. P.		Civil Eng.	1898-1901	Nelson, Ga.	1901	
McGrath, M. H.			1899-1901	Nelson, Ga.	1901	
Scott, W. W.	Atlanta, Ga.	Clerk	1899-1901	Canton, Ga.	1901	
Farrar, W. T.			1899-1901	Ingleside, Ga.	1901	
Byers, J. H.	Price, Ga.	Farmer	1898-1902	Price, Ga.	1902	
Horton, Paul Jones	Winder, Ga.	U. S. Cadet.	1899-1902	Winder, Ga.	1902	Cadet at West Point.
Byers, Augusta	Price, Ga.	Ex. Messngr	1898-1902	Price, Ga.	1902	
Gaillard, Miss Marie	Ellijay, Ga.	Teacher	1898-1902	Dahlonega, Ga.	1902	
Barnes, J. C.	Dahlonega, Ga.	Teacher	1899-1902	Stinson, Ga.	1902	Prof. N. G. A. College.
McKee, Miss Eva	McKee, Ga.	Teacher	1898-1902	McKee, Ga.	1902	Student Columbia Univ., N. Y.
Whitehead, A. C. Mrs.	University, N. C.	Teacher	1899-1902	Eastman, Ga.	1902	Wife of A. C. Whitehead.
Scales, J. H.		Cashier	1901-1902	Suwanee, Ga.	1902	
Byers, J. R.	Price, Ga.	Farmer	1899-1903	Price, Ga.	1903	
Grant, N. W.	U. S. Navy.	Soldier	1899-1903	Clarksville, Ga.	1903	
Berry, J. R.	Jefferson, Ga.	Teacher	1900-1903	Griffin, Ga.	1903	
Byers, Miss Cora	Price, Ga.	Teacher	1899-1903	Price, Ga.	1903	
Elkan, Louis	Brunswick, Ga.	Merchant	1900-1903	Brunswick, Ga.	1903	
Maddox, C. E.			1900-1903	Freemansville, Ga.	1903	
Gaillard, Miss Sallie	Dahlonega, Ga.	Teacher	1900-1904	Dahlonega, Ga.	1904	Teacher Dahlonega Schools.
Fortson, L. G.		Teacher	1901-1904	Elberton, Ga.	1904	
Henley, J. R.	U. S. Army.	Soldier	1900-1904	Jasper, Ga.	1904	Philippine Service.
Gortatowsky, J. D.	Macon, Ga.	Journalist	1900-1904	Albany, Ga.	1904	
Broach, J. F.		Teacher	1900-1904	Compton, Ga.	1904	
Stewart, J. C.	Kingman, Ariz.	Teacher	1900-1904	Ludville, Ga.	1904	
Bowen, Urban	Dip, Ga.	Teacher	1900-1904	Tesnatee, Ga.	1904	
Chappel, A. H.	Midriver, Ga.	Farmer	1901-1904	Chappel, Ga.	1904	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Drew, W. D.		Bookpr.	1901-1904	Midville, Ga.	1904	
Holden, Lester *			1901-1904	Jonston, Ga.	1904	
Steed, O. W.		Business	1900-1904	Spring Place, Ga.	1904	
Jelks, G. J.	Atlanta, Ga.		1902-1904	Hawkinsville, Ga.	1904	
Peacock, W. H.	Cochran, Ga.	Farmer	1902-1904	Cochran, Ga.	1904	
Rutherford, Robert	Culloden, Ga.	Freight Agent	1901-1904	Culloden, Ga.	1904	
Byers, Rufus	Manilla, P. I.	Soldier	1899	1905 Price, Ga.		3rd Lieut. Constabulary.
Whelchel, Miss Ruth	Price, Ga.	Teacher	1900-1905	Price, Ga.		
Wilson, F. C.	Savannah, Ga.	Dentist	1881-1885	Savannah, Ga.		
Lunsford, W. P.	Lavonia, Ga.	Teacher	1901-1904	Suches, Ga.		
Gay, B. F.	Sharptop, Ga.	Teacher	1902-1905	Sharptop, Ga.		
Smith, R. E. L.	Greely, Ga.	Teacher	1901-1905	Greely, Ga.		
Ash, W. L.	Dahlonega, Ga.	Teacher	1901-1905	Suches, Ga.		
Breedlove, W. M.	Monroe, Ga.	Merchant	1903-1905	Monroe, Ga.		
Castleberry, L. R.	College Park, Ga.	Bookpr.	1903-1905	Dahlonega, Ga.		
Harris, C. M.	Dalton, Ga.	Farmer	1903-1905	Dalton, Ga.		
Matthews, W. O.	Decatur, Ga.	Farmer	1903-1905	Decatur, Ga.		
McKee, H. D.	McKee, Ga.	Farmer	1902-1905	McKee, Ga.		
Aycock, J. T.	Monroe, Ga.	Farmer	1902-1905	Monroe, Ga.		
Patterson, E. P.	Milner, Ga.	Gov. official	1901-1905	Milner, Ga.		
Barnes, G. M.	Riverdale, Ga.	Teacher	1902-1906	Stinson, Ga.	1906	
Gailard, W. S.	Blacksher, Ga.	Teacher	1900-1906	Dahlonega, Ga.	1906	
Jackson, W. L.		Telephone S	1901-1906	Stockbridge, Ga.	1906	
McKibben, G. C.	Hephzibah	Teacher	1904	1906 Elgin, Ga.	1906	
Davidson, E. W.	Atlanta, Ga.	Merchant	1903-1906	Atlanta, Ga.	1906	
Broach, W. E.	Compton, Ga.	Teacher	1903-1906	Compton, Ga.	1906	
Phillips, J. E.	Pierceville, Ga.	Lumberman	1902-1906	Pierceville, Ga.	1906	
Burnett, C. D.	Tennille, Ga.	Bookkeeper	1903-1906	Tennille, Ga.	1906	
Moore, R. V.	Dahlonega, Ga.	Elec. Engine	1902-1906	Dahlonega, Ga	1906	
Knox, J. T.	Manilla, P. I.	Const. Serv.	1902-1906	Westminster, S. C.	1906	
Simmons, Y. J.	Gainesville, Ga.	Teacher	1904-1906	Gainesville, Ga.	1906	

* Deceased.

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North Georgia Agricultural College

1907-1908

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE.

Announcements

For

1908-1909

UNIVERSITY OF ILLINOIS LIBRARY

Thirty-Sixth Annual Catalogue

OF THE

North Georgia Agricultural College

(Department of the University of Georgia)

UNIVERSITY OF ILLINOIS

AT

PRESIDENT'S OFFICE

DAHLONEGA, GEORGIA

CHARTERED A. D. 1871

The First Normal College Course Authorized by the State
(Act of 1877)

1907-1908

BANNER JOB PRINT, ATHENS, GA.

CALENDAR

Fall Term begins Sept. 2nd, 1908.
Fall Term ends Jan. 31st, 1909.
Spring Term begins Feb. 1st, 1909.
Commencement Day June 2nd, 1909.

BOARD OF TRUSTEES.

WM. P. PRICE, President ..... Dahlonega
H. H. PERRY, Vice-President ..... Gainesville
A. J. Cavender ..... Dahlonega
R. H. Baker ..... Dahlonega
F. Carter Tate ..... Jasper
Preston S. Arkwright ..... Atlanta
J. G. Deadwyler ..... Maysville

FACULTY AND OFFICERS.

1908-1909.

DAVID C. BARROW, C & M. E.,
Chancellor of the University.
GUSTAVUS R. GLENN, A. M., LL. D., President
Professor of Philosophy.
BENJAMIN P. GAILLARD, A. M., Vice-President,
Professor of Chemistry, Physics, Geology.
E. B. VICKERY, A. M., Secretary,
Professor of Latin Language and Literature.
J. W. BOYD, A. M.,
Professor of Mathematics and Astronomy.
GEO. W. CAMP, A. B.,
Professor of English.
J. C. BARNES, B. S.,
Pure Mathematics.
A. A. JOHNSON, B. S.,
Professor of Agriculture and Biology.
A. S. ROWLAND, B. B. S.,
Professor of Business Science.
LOUIS M. RICHARD, Met. E.,
Professor of Electrical and Mining Engineering.
W. J. BRADLEY, A. M.,
Professor of History
MISS MARY MERRITT, A. B.,
Instructor in French and Drawing.
MISS ELLENE GLENN,
Music and Domestic Science.
FREDERICK S. L. PRICE, Captain 8th Infantry, U. S. A.
Commandant of Cadets
MISS LEE ANNA WORLEY,
Librarian.
HOMER HEAD, M. D.,
Surgeon.

FACULTY COMMITTEES

Discipline.

Geo. W. Camp.

J. W. Boyd. A. A. Johnson.

Courses of Study.

E. B. Vickery, Chairman.

J. W. Boyd. J. C. Barnes.

Dormitory.

J. W. Boyd, Chairman,

Geo. W. Camp, A. S. Rowland.

Library.

Benjamin P. Gaillard.

Geo. W. Camp, W. J. Bradley.

Athletics.

A. A. Johnson,

Geo. W. Camp. L. M. Richard,

NOTE.—There are two other members to be elected from the student body.

Brown Fund.

J. W. Boyd,

B. P. Gaillard. E. B. Vickery.

Catalogue.

Geo. W. Camp.

Dr. G. R. Glenn, B. P. Gaillard.

A. A. Johnson. L. M. Richard.

GENERAL INFORMATION.

ORIGIN AND PURPOSE OF THE COLLEGE

This College owes its origin to the Act of Congress of July 2, 1862, entitled "An Act donating public lands to the several States and Territories which may provide colleges for the benefit of agriculture and mechanic arts." The Act contemplates the "endowment, support and maintenance of at least one college, where the leading object will be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislature of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes."

The fund having been received by the State, the interest of it was placed under the control of the Trustees of the University by which the North Georgia Agricultural College became a department of the University, the title of the above property being conveyed to the Trustees of the University on the conditions specified in the donation, the Trustees of the University appointing the President of the College, making a certain allowance for its support, to wit: $2,000 annually, and exercising over it a general supervision.

WHAT COL. W. P. PRICE, PRESIDENT OF THE BOARD OF TRUSTEES, SAYS IN HIS REPORT TO THE GOVERNOR.

I do not think the University system has a school that is making better returns to the State than this institution is making for the amount of money appropriated by the Legislature. We have no daily paper to exploit the work of this institution. The location in a quiet retreat in the mountains, forbids very much of observation on the part of the outside world. Our situation is unique in this respect. But while our isolation places the school at a disadvantage in some respects, in other ways it makes for the good of the student-body. We have quiet and peace, and a wholesome environment for hard and honest toil. Working daily under silent

and overshadowing influences of the mountains and in the wholesome atmosphere of a mountain elevation is worth more than anybody has yet calculated to the average boy. The climate invigorates him, and the silent appeal of the everlasting hills inspires him to do and to be his best. Many a boy who comes here is literally made over, so far as the habits of his life and thought are concerned.

From the beginning the discipline of this school has been military. An officer of the United States army is in charge of the cadet corps. The more I have observed the effect of military training on the young men of this institution, the more value I have learned to place upon it. The strict attention to duty, the necessary and prompt obedience to rightful authority, the natural and normal physical development that comes from the military exercises, all of these add tremendous value to the training that a boy gets here. The men who have graduated from this school, and who have won success in life, now testify that they owe their success largely to the training in quickness of perception and to the habit of prompt attention to duty which the acquired from the military department here. All our students, except those excused for special reasons, are required to take the military training and to live in dormitories, where they are constantly under the control of military discipline.

A large majority of our students take either the short course or the complete course in agriculture. The department of agriculture has grown in efficiency in the past few years. We have a fairly good equipment for making soil analyses and for testing the values of plant foods and making a careful study of what is helpful or hurtful to growing animal and vegetable life. During the last year we have added a dairy to the farm and we hope to make this one of the most valuable features of our work, not only for the school, but for this entire section of the State. All through the year the students are engaged in actual experimental work on the farm. They conduct their own experiments, and are required to make a careful record of what they observe.

BUILDINGS AND GROUNDS.

The college has forty acres of beautifully situated and valuable land—ten acres originally granted by the United States governent, to which thirty acres have since been added—affording ample space for all military exercises and agricultural experiments.

The main building has twelve recitation-rooms and offices, the chapel, armory, and society halls, and is well equipped with modern furniture and apparatus. The departments of English, History, Mathematics, Ancient Languages, and Commerce are located in this building.

A GROUP OF AGRICULTURAL STUDENTS.

In 1900 Bostwick Hall, the gift of Mr. J. H. Bostwick, of New York, was completed. The upper story of this building is devoted entirely to Chemistry, Physics and Agriculture. Each of these departments is required to do from five to ten hours a week laboratory work. The lower floor is devoted to the President's office and lecture room, and to the libraries and reading rooms.

In addition to the two brick buildings devoted to departments of instruction, there are two dormitory buildings that will accommodate one hundred and fifty students.

THE CHARLES M'DONALD BROWN FUND.

From the Charles McDonald Brown Scholarship Fund the institution gets $1150.00 annually. This is to aid worthy young men who are unable to pay their way through college. The applicant must be at least eighteen years of age, in good health, and must reside in one of the following counties: Rabun, Habersham, Towns, Union, Fannin, Dawson, Murray, White, Lumpkin, Gilmer, Pickens, Cherokee and Forsyth in Georgia, and Oconee, Anderson, and Pickens, in South Carolina.

LOCATION.

Dahlonega is in many respects an ideal location for a school. The town is situated on an elevated plateau at the foot-hills of the Blue Ridge and is about 1600 feet above the sea level. This plateau is almost surrounded by mountains and the air is thus kept dry winter and summer. The climate is invigorating and all the surroundings are pleasant There are no bar rooms allowed in Lumpkin county and evil influences as far as possible are kept away from Dahlonega. The student body is thus protected from many bad associations to be found in other localities. The over-shadowing presence of the "everlasting hills" is silent, but not the less potential influence over the lives of young people that nobody has ever yet clearly explained. Boys, with vigorous brains, dream of large things in the mountains.

THE COLLEGE LIBRARY.

The students have the use of a carefully selected library under the general supervision of a committee from the faculty, with a librarian regularly in charge. Nearly all the books have been chosen specially for the students, and new purchases are made twice a year from a fund appropriated for this purpose. A liberal selection of the best current literature, and the leading daily papers of the state are available to the students in the reading room. A complete card catalogue and an index to periodical literature enable

students to use the books and bound volumes of magazines to the greatest advantage. The library is also a depository for the publications of the United States government. Specially chosen department libraries are being accumulated for the use of students in parallel reading and investigation.

THE DORMITORIES.

The dormitories on the college grounds will accommodate 150 students. Each dormitory will be under the immediate supervision of a resident member of the Faculty, thus securing a personal attention to the needs of the students that can be brought about satisfactorily in no other manner.

The system of discipine employed in the dormitories will be, as it throughout the College, military in its nature, but so arranged as to give to each student all the liberty warranted by continued good conduct and high class standing.

Only bona fide boarding students who are not able to make more economical arrangements elsewhere are required to live in the dormitories.

Students will furnish toilet articles, bed-clothing and pillow. Board will be $10.00 per month of four weeks payable in advance, This will include electric lights.

It is recommended, that cadets express or ship all articles needed in rooms, such as cover, pillow etc, at least one week before they expect to arrive in Dahlonega. These articles should be directed to the Superintendant of Barracks, Dahlonega, Ga. (via Gainesville).

When this course is followed out the cadet will find the articles placed in his room on his arrival, thus obviating the inconvenience due to delays occasioned by not receiving trunks promptly.

The general control of the dormitories is vested in the President and Faculty, who will make and enforce such rules as may appear necessary to secure the best results.

EXPENSES.

Breakage fee (per year)	$2.50
Incidental fee (per year)	10.00
Books and Stationery (per year)	15.00
Washing about (per year)	10.00
Library fee (per year)	2.00
Dormitory board about (per year)	100.00
Uniform and gloves about (per year)	17.00
Typewriting fee (per year)	6.00
Chemistry fee (per year)	4.00
Physics fee (per year)	4.00

Biological fee (per year) 2.00
Quantitative Chemistry fee (per year) 6.00
Soil Physics fee (per year) 2.00
Breakage deposit (per term) 1.00

Students entering College January 3rd, or at the beginning of the Spring Term are required to pay only a proportional part of the above mentioned expenses.

When no damage to College property is charged against cadet, the breakage fees will be returned at the end of the school year.

Annual expenses are made as economical as possible, and will run from $150.00 to $175.00. When students bring their supplies from home, expenses can be reduced to an amount not exceeding $50.00.

The expenses of the first month of the term include nearly all but the monthly board and washing, and amount to nearly $50.00. In order that a student shall start promptly and efficiently in his class, provision should be made for this.

A student bringing the appointment by his county school commissioner, representative, or senator, will be allowed a credit of $2.50 on his incidental fee, for the term for which he is appointed, thus making matriculation fee $2.50 per term.

The estimate does not include traveling expenses to and from College. Stage fare from Gainesville to Dahlonega is $1.50 for each person and 50 cents for each trunk. Pocket-money depends on individual wishes, but should be moderate.

The special fees are charged only those who take a particular subject and are intended to cover merely the cost of material.

Dormitory boarders should bring the necessary toilet articles, bed-clothing, sheets, pillow and pillow-cases.

Some expenses that cannot be foreseen, will necessarily occur, but parents and students can feel assured that so far as the College is concerned, everything will be managed on the most economical basis.

This is not a place to spend much money. Parents should not allow over fifty cents a week for pocket-money, and twenty-five cents a week ought to be sufficient. Nor should they pay bills for other than college expenses made by a minor without a written order from them authorizing the same. Citizens are notified not to credit without permission of parent or guardian.

ELECTION OF STUDIES.

Beginning with 1907, A. B., B. S., and B. Ph., students above Sophomore class will be allowed to select their studies, so far as the

schedule of recitations will permit, after consultation with a special committee appointed from those members of thef faculty with whom the work of these courses is done, the decision of that committee being subject to other regulations regarding irregular courses, number of studies, etc.

Beginning with 1907, all students in B and A classes will be required to take some regular course laid down in the catalouge. Students in the collegiate classes who wish to take irregular courses shall have at least five studies a day, two laboratory periods being counted as one study. Exceptions to this rule will be made only in case of students who file with the chairman of the committee on courses the college surgeon's certificate of physical inability.

COLLEGE ATHLETICS.

All forms of healthful athletics are encouraged by the college faculty so long as they do not interfere with studies and other duties. Foot-ball, base-ball, track work, basket-ball and tennis are the most popular games. Ooccasional tramps to the beautiful water falls and streams are taken when accompanied by a faculty member.

A well equipped athletic field adjoining the college campus affords sufficient room for the playing of college games. Athletic instructors are employed for the purpose of carefully superintending and instructing the various teams. No student is permitted to participate in athletics until he or she has been subjected to a physical examination.

The Southern Intercollegiate Athletic Association, of which this college is a member, has placed the athletic interests of each college under the supervision of an athletic council consisting of the faculty and student body. This council consists of eight members, five from the faculty and three from the student body. The chairman of this Council and two faculty members are appointed by the president of the College. Two faculty members and three students ranking as freshmen, or above, are elected by the executive committee of the athletic association. At least one of the three students shall be a non "D" man.

The students of this Council shall have no vote on the scholastic standing of athletes, otherwise they vote to uphold their views.

April 1st is observed as a holiday for a contest in track and field athletics such as running, hurdling, high and broad jumping, pole-vaulting, hammer and discuss throwing, putting the shot, punting the football, etc. This day is known as "Field Day."

ENTRANCE REQUIREMENTS.

In view of the dormitory system of boarding and the military system of discipline prevailing in the college, no student under fifteen years of age will be permitted to enter college unless under the care of parents or relatives in the community.

All applicants for Sub-Freshman B and A Classes will be required to stand written examinations in English, Mathematics, and United States History.

Students are admitted to the Freshman Class either on satisfactory examination in the required subjects, or on the certificate of the Principal of an "Accredited High School."

All entrance examinations will be held during the two first days of the fall term.

LITERARY SOCIETIES.

There is no part of a college course more valuable than the training derived from taking an active part in a good literary society. It is here that one learns to think and speak while standing, and to grapple with his antagonist in a mental contest.

There are two well organized literary societies, the Decora Palaestra and the "Phi Mu." These societies furnish unexcelled opportunities to students who wish to develop and improve themselves in Elocution, Composition, and Debate. These societies meet each Monday for debate and for such other exercises as come in that line.

Joint debates between these societies are held at intervals during the term. The Champion Debate is held during Commencement week, and forms an important part of those exercises.

One or more intercollegiate debates will be arranged for during the year.

The drill in the use of Parliamentary Law is an important feature of society work, for nowhere can parliamentary usages be so well learned as in well regulated debate.

These societies are a valuable auxiliary to the Department of English and to the literary culture of each of their members, and are so recognized.

GENERAL INFORMATION.

Students, on arriving, must immediately report at the dormitories and must at once consult the President about arrangements for board and for directions about registration.

The discipline of the College is under the immediate direction of the Commandant of Cadets. Serious offenses against good order are passed upon by the entire faculty.

A College Young Men's Christian Asociation is organized and conducts religious services once a week.

The Fall Term begins always on the first Wednesday in September, and the Spring term usually ends the first Wednesday in June.

During the last session we had students from about seventy counties in Georgia. Almost without exception students who spend a year here are greatly improved in health. We have "plain living and high thinking" in the mountains. We encourage athletic sports, but do not allow them to conflict with the student's academic work. The average gain in weight for the past year is about 20 pounds.

The average age of a male student is over eighteen years, and a large majority are young men defraying their own expenses. This is not the school for idleness and frivolity, for fun and dissipation; but manly sports, innocent pleasures, regular physical training for all, hard study and excellence in character are the requisites for all who remain here.

Students who have over ten demerits during the month, unexcused absences, or special violations of discipline, will be required to perform extra duty, which will be instructive in its nature.

School of Arts

Staff of Instruction.

Gustavus R. Glenn, A. M., LL. D., President.
Professor of Philosophy.

Benjamin P. Gaillard, A. M.,
Professor of Chemistry, Physics, and Geology.

E. B. Vickery, A. M.
Professor of Latin.

J. W. Boyd, A. M.
Professor of Pure Mathematics.

J. C. Barnes, B. S.
Professor of Applied Mathematics.

W. J. Bradley, A. M.
Professor of History and Economics.

George W. Camp, A. B.
Professor of English Language and Literature.

Miss Mary Merritt, A. B.
Instructor in French and Art.

Miss Ellene Glenn,
Instructor in Music and Domestic Art.

Frederick S. L. Price, Capt U. S. Army.
Professor of Military Science and Tactics.

Under this head are grouped the departments of Philosophy and Education, Science, Mathematics, English, Latin, History, French, and Domestic Art. The courses offered by these departments may lead to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Philosophy.

DEPARTMENT OF PHILOSOPHY AND EDUCATION.

1. **Theory and Practice.**—The object of this course is to lay the foundation for teaching, especially in the common schools of

Georgia. The work will be preparatory for teachers' examination.

Text-Books.—Page's "Theory and Practice," Roark's "Methods."

Sub-Freshman A Class, entire year. Two hours.

2. History of Education.—This course is intended: First to give an historical survey of the development of education; Second, to deal with educational tendencies rather than with men; Third, to show the connection between education a theory and actual school work; Fourth, to suggest relations with present educational work.

Text-Book.—Monroe's "A Brief Course in the History of Education."

Freshman Class, fall term Two hours.

3. Class Management.—This course will give an idea of the principles and technique of classroom management.

Text-Book.—Bagley's "Classroom Management."

Freshman Class, spring term. Two hours.

4. Genetic Psychology.—The spirit and results of mental observaton and of scientific study of mental development will be stressed.

Text-Book.—Judd's "Genetic Psychology for Teachers."

Sophomore Class, fall term. Two hours.

5. Philosophy of Education.—This course will deal with education from a biological, physiological, sociological, and psychological standpoint.

Text-Book.—Horn's "The Philosophy of Education."

Sophomore Class, spring term. Two hours.

6. Psychology.—This course is designed to give the student a general knowledge of the essential facts and fundamental laws of the mind, and is important alike to all classes of students.

Text-Book.—"James's Briefer Course in Psychology."

Junior Class, fall term. Two hours.

7. Principles of Education.—This course is based on psychology, and numerous experiments and exercises which the student is expected to work out. Individual work will be emphasized. Theme work.

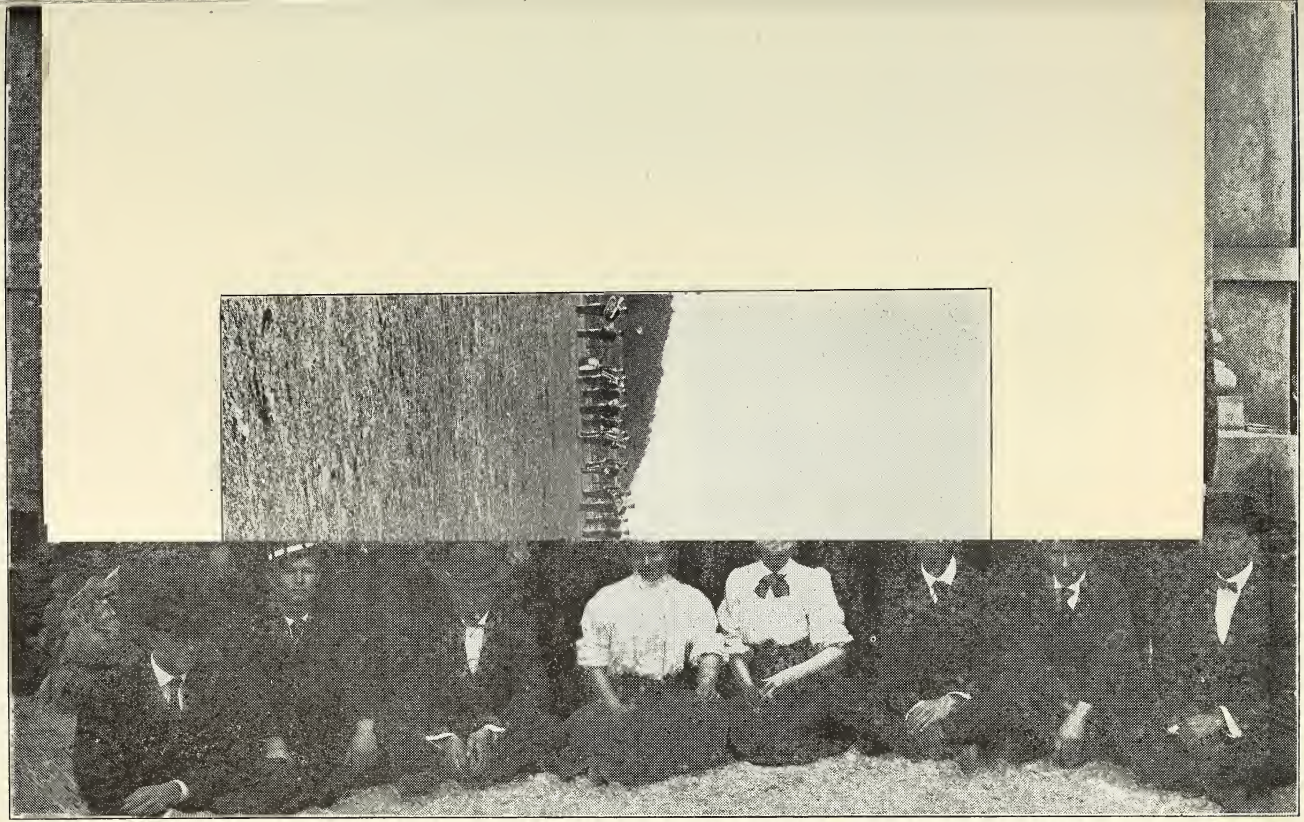
Text-Book.—Thorndike's "Principles of Teaching."

Junior Class, spring term. Two hours.

8. Philosophy.— This course will give a brief view of philosopic thought from its earliest history to the present. Special attention will be given to the period of Greek philosophy. Lectures, discussions and theme work will require much of the time of this course.

Text-Book.—Bakewell's "Source Book in Ancient Philosophy," and Weber's "History of Philosophy."

Senior Class, fall term. Two hours.



A GROUP OF GIRLS AND BOYS STUDYING AGRICULTURE.

CADET BATTALION AND CADET BAND

The North Georgia Agricultural College

Dahlonega, Georgia

Location

AT the foothills of the Blue Ridge Mountains. No finer climate in the country. Our boys gain from twenty to thirty pounds per year. Complete Courses in A. B., B. S., B. Ph., C. E. and E. M., and B. B. S., B. S. Ag. Departments.

Discipline

DISCIPLINE of the College is military. All of our students board in the dormitories, where they are under the constant supervision of an officer of the United States Army. The military exercises develop every student intellectually, physically, and morally. Bad Habits are corrected and conscientious painstaking work is required of every student.

Expenses

THE expense of a student varies from $125.00 to $175.00 a year. This includes board, washing, fuel, lights, College Fees, books and uniforms.

For particulars write for catalogue.

G. R. GLENN, President, DAHLONEGA, GEORGIA

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CADET BATTALION AND CADET BAND

Text-Book.—Bakewell's "Source Book in Ancient Philosophy," and Weber's "History of Philosophy."

Senior Class, fall term. Two hours.

A GROUP OF GIRLS AND BOYS STUDYING AGRICULTURE.

COOKING CLASS N. G. A. COLLEGE.

9. **Ethics.**—This course is intended to present both historically and critically the principal types of ethical theory. Work will be based on lectures, parallel readings, and individual investigations.

Text-Book.—Thilly's "Introduction to Ethics."

Senior Class, spring term. Two hours.

DEPARTMENT OF CHEMISTRY, PHYSICS, AND GEOLOGY.

B. P. GAILLARD, Professor.
J. C. BARNES, Associate.

The course pursued in the sciences of chemistry, physics, and geology is designed to enable the student to know scientific facts and to grasp scientific principles, to acquire skill in handling and adjustment of apparatus, to awaken the scientific spirit and teach scientific methods, to cultivate a love for investigation and gain a store of facts that can be applied to the practical affairs of life.

COURSE OF STUDY.

1. **Physiology.**—An elementary knowledge of physiology as to the structure and functions of the organs is imparted. The laws of health are especially emphasized, and the student is prepared to teach the subject in the public schools of the state.

Required of Sub-Freshman B class, spring term. Five hours.

2. **Physical Geography.**—In this study instruction by recitation and illustration is given. The students are taught to observe the phenomena of everyday life intelligently.

Sub-Freshman A class, fall term. Five hours.

3. **Physics.**—An elementary course in Physics is given preparatory for Freshman work in Agriculture and Mining.

Sub-Freshman A class, spring term. Five hours.

4. **Chemistry.**—General Inorganic Chemistry is taken up with laboratory work twice a week. The class will complete the work through non-metals. Special attention is given in this course to the practical application of Chemistry.

Freshman Class, spring term. Five hours.

5. (a) **Chemistry.**—General Inorganic Chemistry continued till completed, through metals.

(b) **Chemistry.**—Organic Chemistry taken up with special attention to such subjects as bear on Agriculture.

Sophomore Class, fall term. Five hours.

6. **Qualitative Analysis.**—This course has its foundation in the previous course and aims to make the work a practical study, full of interest and utility.

Sophomore Class, spring term.

7. **Physics.**—Matter and Properties, Dynamics of Liquids and gases, and heat are completed in the fall term. Sound, Light and Electricity are studied in the spring term.

Junior Class (entire year). Three hours recitations and two hours laboratory.

8. **Quantitative Analysis.**—Gravimetric analysis fall term, Volumetric analysis and miscellaneous work, spring term.

Junior Class, entire year. One hour recitation and nine hours laboratory.

9. **Geology.**—This includes class-room work with a practical study of the geology of the section.

Senior Class, fall term.

10. **Quantitative Analysis.**—Students will be given an opportunity to do practice work in this branch during this year.

Senior Class.

NOTE.—Students doing chemical laboratory work are required to pay $2.00 a term to cover the cost of materials used in their work, and to make a deposit of $1.00 for breakage. The amount above what is broken will be refunded.

DEPARTMENT OF MATHEMATICS.

J. W. BOYD, Professor.
J. C. BARNES, Professor.

The objects of teaching in this department are:

First: the full and harmonious development of the reasoning faculties that the man may perform his life work with the best possible results to himself and his fellow man.

Second: To reveal to the student the moral worth of this science in developing habits of promptness, accuracy and decision, and in discriminating between truth and error. The deductions of this science are absolute and incontrovertible. This knowledge gives sound conviction, stability of character, and conscious power.

Third: To set forth the utility of the science in its practical application to the great industrial enterprises of our country. The successful captains of industry are men who must know with mathematical certainty the structural value of stone, wood and iron. They do not guess; they must know. In order to know absolutely they must be trained with mathematical certainty.

We therefore stress particularly the practical application of the science to industrial arts.

Course of Study.

1. **Arithmetic.**—Arithmetic completed. Five hours. Text-Book, Milne's Standard.

Required of Sub-Freshman B class, fall term.

2. **Elements of Algebra.**—Five hours per week. Text-Book, Wentworth's Elements.

Required of Sub-Freshman B class, spring term.

3. **Elements of Algebra.**—Review of first principles. Chapters VIII to XV inclusive.

Text-Book.—Wentworth's Elements.

Required of Sub-Freshman A class, fall term. Five hours.

4. **Plane Geometry.**—Book I to IV, inclusive.

Text-Book: Wentworth's Plane and Solid (Revised).

Required of Sub-Fresh A class, Spring term.

5. **Algebra.**—Review of fundamental operations, Factors, Fractions, Simple equations, Simultaneous equations, Involution, Evolution, Radicals, Exponents, Quadratic Equations, Simultaneous Quadratics, Radical Equations, Surds and Imaginaries, Ratio and Proportion, Arithmetical and Geometrical Progression, Binomial Theorem, Logarithms.

Text-Book: Wentworth's "College Algebra."

Required of Freshman Class, fall term. Five hours.

6. **Geometry.**—Books IV to IX, inclusive.

Text-Book: Wentworth's "Plane and Solid" (Revised).

Required of Freshman Class, spring term. Five hours.

7. **(a) Algebra.**—Interest and Annuities, Choice, Chance, Continued Fractions, Variables and Limits, Series, Interpolation, Determinants, General Properties of Equations, (b) Solid Geometry.

Plane Trigonometry.—Trigonometric functions, the right triangle, Goniometry, the Oblique Triangle, Construction of Tables.

Text-Books: Wentworth's "College Algebra," and "Plane and Solid Geometry," "Plane and Spherical Trigonometry."

Required of Sophomore Class, fall term. Five hours.

8. **(a) Spherical Trigonometry.**— Right Spherical Triangle, the Oblique Spherical Triangle, Application to Astronomy.

(b) Surveying.—Surveying instruments and their uses, Land surveying, Rectangular Surveying, Platting, Plane Table Surveying, Triangulation.

(c) Levelling.—Levelling for Section, Topographical Levelling Railroad Surveying.

Text-Book: Wentworth's "New Plane and Spherical Trigonometry, and Surveying and Levelling.

Required of Sophomore Class, spring term. Five hours.

9. **Analytic Geometry.**—Loci and their equations. Rectilinear

System of co-ordinates. The straight line, the circle, different systems of co-ordinates. The parabola, the ellipse, the hyperbola; Loci of the Second order, Higher Plant Curves. Solid Geometry.

Text-Book: Wentworth's Analytic Geometry.

Junior Class, fall term. Five hours.

10. Calculus.—Differential and Integral, Quantities, Functions, Fundamental Principles, Differentiation, Limits, Analytic and Geometric Applications, Sucessive Differentiation, Integral Calculus Type Forms, Rational and Irrational Fractions, Trigonometric Integrals, Geometric and Mechanical Applications.

Text-Book Nichols's "Differential and Integral Calculus."

Junior Class, spring term. Five hours.

11. Astronomy.—Young's Manual of Astronomy.

Senior Class, fall term. Five hours.

12. Mechanics.—Definitions, Composition and Resolution of Forces, Center of Gravity and Stability, Elementary Mechanics, Kinetics, Centrifugal Force. Work and Energy. Mechanics of Gases and Vapors, Hydraulic and Pneumatic Machines.

Text-Book: Peck's "Analytical Mechanics."

Senior Class, spring term. Five hours.

DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE.

GEORGE CAMP, Professor.

Before a student is properly prepared to do college work there are some requirements in English that are imperative.

1st. He should know how to **speak** with a reasonable degree of accuracy; that is, "He should be able to speak with fair distinctness and accuracy of pronunciation, to express his own ideas in grammatical sentences and in language free from the jargon of the streets.'

2nd. He should know how to **read.** "By this is to be understood not merely the putting together of symbols and sounds, but the training of the mind to concentrate upon the sense of what is written and to refuse to pass on until the sense has been grasped."

3rd. He should know how to **write:** that is, he should be able to express his thoughts in clear language, free from common errors in spelling, structure, the use of capital letters, punctuation, and paragraphing.

Description of Courses.

1. Grammar.—The object of this course is to give the student a working knowledge of English Grammar in order that he may pass on the accuracy of language. It will include composition work,

oral and written spelling, composition of sentences illustrating the use and meaning of words, oral and written reproduction, readings, monthly declamations. Neatness and accuracy will be made special features.

Text-Book.—English Grammar by Lawton B. Evans.

Required for Reading and Study.—Lamb's Shakespeare's Comedies, and "Seven American Classics," by Swinton & Catheart.

Required of Sub-Freshman B Class. Fall term. Five hours.

2. Grammar and Composition.—Oral and written compositions, use of capitals, punctuation, weekly exercises in spelling selected words, letter writing, descriptions, reproductions, monthly declamations.

Text-Book: Simon's "First Year English for High Schools."

Required for Reading and Study: "Lamb's Shakespeare's Tragedies," and "Palgrave's Golden Treasury,', Book IV.

Required of Sub-Freshman "B" Class, spring term. Five hours.

3. Composition.—Art of reading, art of composition, narration, words, sentences, paragraphing, narration and description combined, versification, exposition, higher qualities of style, argumentation, correspondence, monthly declamations, spelling selected words, class readings.

Text-Book: Keeler and Adams's "High School English."

Required for Reading and Study: Shakespeare's "Julius Caesar" and "The Merchant of Venice," Milton's "Minor Poems," Macaulay's "Essay on Addison."

Required of Sub-Freshman A Class, fall term. Five hours.

4. Composition and Argumentation.—Thorough review of topics studied up to this time. "Finding the proposition," "Proving the proposition," research, declamationsfi orations, debates, essays, readings, oral and written reviews of books read.

Text-Books: Keeler and Adams's "High School English" and Perry's "Argumentation."

Required for Reading and Study: Shakespeare's "Macbeth." Burke's "Conciliation," Webster's "First Bunker Hill Oration," Washington's "Farewell Address," Macaulay's "Life of Johnson."

Required of Sub-Freshman A Class, spring term. Five hours.

5. Composition and Rhetoric.—Review of previous work. English usage both theoretical and practical. Criticism of incorrect forms. The sentence, its grammatical and rhetorical structure. The paragraph, the composition as a whole. Minor forms of composition. Qualities of style as illustrated by standard authors. Outlining and planning themes, collecting and arranging material. All themes must be carefully outlined before developed. Essays and orations.

Text-Book: Carpenter's "Rhetoric and English Composition."

Required for Reading and Study: "Sir Roger de Coverly Papers," Shakespeare's "Hamlet," Cooper's "The Spy."

Required of Freshman class, fall term. Four hours.

6. Advanced Composition and Rhetoric.—Two carefully developed themes will be required each month. At least a portion of these will be read and criticised before the class each week. Special attention will be given to exposition, argumentation, and persuasion.

Text-Book: Lamont's "English Composition."

Required for Reading and Study: Shakespeare's "Much Ado About Nothing," Burke's "Conciliation," and Webster's "Reply to Hayne" contrasted, Dickens' "Tale of Two Cities."

Required of Freshman Class, spring term. Four hours.

7. (a) American Literature.—Historical survey, causes that contributed to its growth and development, careful study of representative works of the leading authors.

(b) Southern Literature.—Its origin, growth and rank. Conditions that have greatly influenced southern authors. Southern Literature compared with that of New England. Theme work.

Text-Books: Abernathy's "American Literature" and Manly's "Southern Literature."

Required of Sophomore Class, fall term. Three hours.

8. Shakespeare.—Biographical and historical survey of life and times of Shakespeare. Short study of Shakespeare's plots. Analytical study of five or six of Shakespeare's plays illustrating the different types of his writings. Lectures on the Shakespearean drama.

Text-Books: Mabie's "William Shakespeare, Poet, Dramatist and Man," and Rolf's edition of Shakespeare's plays.

Required of Sophomore Class, spring term. Three hours.

9. (a) Old English.—Short study of old English grammar. Lectures on the historical development of the English language. "Age of Chaucer in English Literature." Study of Chaucer's Prologue and Knight's Tale.

(b) English Novel.—Development of English novel. Its origin and different stages of evolution. Study of representative works of each stage. The novel as society reflected. Lectures and theme work.

Text-Books: Smith's "Old English Grammar," and Van Dyke's "Chaucer's Prologue and Knight's Tale."

Junior Class, fall term. Three hours.

10. English Literature.—The purpose of this course is to make historical survey of the English language as a whole and to

give detailed knowledge of the more important periods. Much of this course will be taken up in writing interpretations of books read and in writing essays based on readings. Frequent comparisons of authors will be made. Two themes each month.

Text-Book: Halleck's "History of English Literature."

Juniors, spring term. Three hours.

11. Literary Criticism.—This course will attempt to give practical training in literary investigation. Individual work will be assigned to each student, who will make written reports. These reports will form the basis of much class work. Theme work each month.

Text-Book: Winchester's "Literary Criticism."

Senior Class, spring term. Two hours.

12. Milton.—Survey of the age of Milton in English literature. "The primary object of this course is the critical study of Milton as a master in lyric, epic, and dramatic poetry, and as a writer of notable prose." The religious and political influence of the times as they affected Milton's writings will be studied. Theme work.

Text-Book: Himes's Milton.

Senior Class, spring term. Two hours.

DEPARTMENT OF LATIN.

E. B. VICKERY, Professor.

The course of study prescribed in Latin is, in the main, the one adopted by the leading colleges of the country. This course has for its object not only the training of the students in the idioms and forms of expression of the Latin language, but also to furnish the student with the body of thought contained in the literature of the Latin authors. Sight reading and scanning will be emphasized.

As the fountain source of a large proportion of the words in our own tongue, the Latin language must always be studied. In addition to this the cultured man must also be familiar with the philosophy of life and the progress of civilization and literary culture developed by these ancient authors.

The ends aimed at in this department, therefore, are mental discipline, love of literature, the best ethical ideals, and the most approved form of literary expression.

Course of Study.

1. Introductory Latin, by Moulton.

Required of Sub-Freshman B Class, entire year. Five hours.

2. **Caesar.**—Allen and Greenough's "Caesar's Gallic War," books I-IV.

Moulton and Collar's "Preparatory Latin Composition."

Required of Sub-Freshman A Class, fall term. Five hours.

3. **Cicero.**—Allen and Greenough's "Oration and Letters of Cicero."

Allen and Greenough's "Latin Grammar."

Moulton and Collar's "Preparatory Latin Composition."

Required of Sub-Freshman A Class, spring term. Five hours.

4. **Ovid.**—Bain's "Selections from Ovid," Gayley's "Classic Myths,"

Allen and Greenough's "Latin Grammar."

Required of Freshman Class, fall term. Five hours.

5. **Vergil.**—Knapp's "Vergil's Aeneid," Gayley's "Classic Myths,"

Allen and Greenough's "Latin Grammar."

Required of Freshman Class, spring term. Five hours.

6. **Livy.**—Lease's "Livy," books I, XXI and XXII, Lewis's "Elementary Latin Dictionary," Allen and Greenough's "Latin Grammar.'

Required of Sophomore Class, fall term. Five hours.

7. **Horace.**-Bennett and Rolfe's "Odes and Satires of Horace,"

Allen and Greenough's "Latin Grammar."

Required of Sophomore Class, spring term. Five hours.

8. **Lord's "Cicero De Amicitia."**

Optional with the Junior class, fall term. Three hours.

9. **Wilson's "Juvenal."**

Optional with the Junior class, spring term. Three hours.

10. **Agricola of Tacitus by Gudeman.**

Optional with the Senior class, fall term. Two hours.

11. **Terrence's Adelphi by Nicolson.**

Optional with the Senior class, spring term. Two hours.

Note.—For the A.B, B.S., and B.Ped. degrees Latin is required through the Sophomore class, but is elective in Junior and Senior classes under the following condition: "Students who are candidates for the above mentioned degrees must elect in their Junior and Senior years four studies from English, Mathematics, Sciences, Latin, History, and French."

DEPARTMENT OF HISTORY AND ECONOMICS.

W. J. BRADLEY, Professor.

1. **History of the United States.**—History and Civics in this course form one study; Government will be viewed as the structural aspect of the experience of society. Main stress upon the

AT WORK IN AGRICULTURAL LABORATORY.

development of social and industrial conditions. Topical method of presentation employed. Parallel Readings: Hart's "Source Readers in American History," hero stories, biographies of famous Americans. Clearness of comprehension and facility of expression insisted upon through frequent oral and written discussions.

Text-Book: Doub's "History of the United States." Five hours a week, fall and spring terms.

Required of Sub-Freshman B Class.

2. The Ancient World.—Period: From the Earliest Times to 800 A. D. Similar to Course 1. The continuity of historical development and the value of the Past in explaining the Present constitute the central and controlling motifs of the course. Oriental life and thought critically contrasted with that of the West. Likewise the Roman genius with that of the Greek. More than the usual time devoted to the rise of Christianity and its contribution to civilization. Monthly themes.

Text-Book: West's "Ancient World." Five hours a week, fall and spring terms.

Required of Sub-Freshman A Class.

3. History of Modern Europe.—Embracing the history of Europe from Charlemagne to the Present Time. The doctrines and struggles of the Papacy rather extensively treated. The dawn and development of National Consciousness with its present tendencies and implications receive the major portion of study. One-half of the total amount of time consumed in this course is given to the Nineteenth Century. Thesis quarterly.

Text-Book: West's "Modern History." Four hours a week, fall and spring terms.

Freshman Class.

4. History of England.—Closely correlated with the History of Western Europe. Early political institutions fully and clearly defined. Importance of race elements particularly detailed. Considerable emphasis upon the Expansion and the Foreign Policy of England. About twenty-five per cent. of the time will be given to the Nineteenth Century. Thesis quarterly.

Text-Book:

Three hours a week, fall and spring terms Sophomore Class.

5. American History.—Advanced course. Main stress on the Constitutional Period. Critical canvass of the Period of Reconstruction. Discussion of present political parties and problems. Individual research work. Thesis each term.

Text-Books: Elson's "History of the United States," Wilson's "Division and Reunion."

Three hours a week, fall and spring terms. Junior Class.

6. **Political Science.**—An exposition of the most prominent theories of the Origin of the State, and a comparative study of the forms and the functions of the principal governmental arrangements of Ancient and Modern times. Thesis required at the close of the term.

Text-Books: Wilson's "The State," Burgess's "Political Science and Comparative Constitutional Law."

Two hours a week, fall term. Senior Class.

7. **Political Economy.**—Brief review of economic history. A careful study of monetary problems, tariff, taxation, monopolies, and especially the economic function of government. Statement of present economic status and issues. Term thesis.

Text-Book: Bullock's "Introduction to the Study of Economics."

Two hours a week, spring term. Senior Class.

(The class may substitute for course 7 a course in Sociology).

DEPARTMENTS OF FRENCH AND ART.

MISS MERRITT.

ART.

Art has been defined as "the manner in which nature is used for the production of beauty. The material may be language, or the movement of the body, or sound, or life itself, as well as stone, or plaster, or paints, or ink and paper. In the mouldings of all these things Art may arise, so that there lives no human being, how poor soever, who may not beautify his life by Art."

Freehand Drawing classes are open to all the students. In them the underlying principles of Art, proportion, perspective, and composition are stressed, as well as light and shade. First the simplest objects composed of straight lines are used for models, then curved surfaces are introduced, and after that more complex objects. The lessons are varied by sketching from still-life, from nature, and from life.

The lessons will be supplemented by discussions on the different aspects of Art and its relation to life, and the history of Art will be studied.

A special course is offered, in charcoal, crayon, pastel, oils, water-colors and pen and ink to those who may desire it.

FRENCH.

The object of this course is to enable the student to avail himself of the large number of scientific treatises that are published in the French language and to read with appreciation the master

pieces of French literature; to acquire the ability to speak the language, and to gain a knowledge of its grammar. In order to accomplish this an almost equal time is given to reading, conversation, and grammar. Especial attention is given to the study of the idioms of the language.

Course of Study.

1. **Introductory Course.**—Fraser and Squair's French Grammar; reading of short stories; conversational exercises at every recitation.

Required of Freshman Class, entire year. Five hours.

2. **Composition and Conversation.**—Syms's Second Year in French; Halevy's L'Able, Constanin, Pailleron's Le Monde au l'on s ennuie, Sands's La Mare au Diable, and selected readings; original compositions in French. Recitations will be, as far as practicable, conducted in French.

Required of Sophomore Class, entire year. Five hours.

3. **Les Miserables.**—Review of French Grammar; study of Victor Hugo's Les Miserables; the French and the English idiom compared; original compositions in French; conversational exercises; study of the classicists and the writers of the Romantic school, and selections from them. This year will be devoted principally to a literary study of the master pieces of French literature with special attention to the peculiar excellences of the French language as a means of literary expression.

Required of Junior Class, entire year. Three hours.

4. **French Literature.**—Historie de la Litterature Francaise; representative selections from eighteenth century prose; Descartes, Pascal, La Bruyere; selections from classics, Moliere, Racine, Corneille; conversation; business and social correspondence.

Optional with the Senior Class, entire year. Two hours.

DEPARTMENT OF DOMESTIC SCIENCE.

MISS ELLENE GLENN.

While this Department of the N. G. A. C. is in its infancy, we hope for many developments in the future that will demonstrate the absolute necessity for such a work in our institutions of learning, especially in this northern section of the state.

Our facilities are limited at present, but with the coming year we trust to have a liberal appropriation which will aid materially in the progress of the work.

The chief purpose of the Domestic Science department, is to give to a student a practical knowledge of those industries that pertain to home culture.

A well arranged course of the domestic science, planned so as to meet local conditions, underlies the intelligent conduct of the home. A sound and liberal education for women is not considered up to the standard unless they have been brought face to face with the actualities as well as ideals. The women who can perform the every day tasks intelligently, make the homes beautiful and attractive, doing away entirely with the drudgery that is so often evident. For these reasons a course of study is planned in this department with the view of meeting present conditions. As opportunities present themselves, the matter will be subject to change.

1. **Hygiene.**—One hour per week.

Every young lady will be required to take one lecture a week on this subject. The lectures will be given in connection with physical work and will cover such subjects as pertain to the health of a young woman student.

Texts: Emerson School of Physical Training, Genevieve Stebbins System of Physical Training.

11. **Elementary Cooking.**—First year. Three hours practical work. One lecture.

Elementary branches of cooking; proper care of dining room, kitchen, utensils, stoves, ranges, home sanitation will be given. Bread-making, pastry-making, cooking of vegetables, eggs, meats, uses of milk, preparation of fruits, etc., constitutes the course.

Mrs. Rorer's, Maria Parloa, and Miss Farmer's Practical Works on the Kitchen, Cooking and Serving will be used at the discretion of the teacher.

3. **Second Year.**—Three hours per week. One lecture.

Laboratory work and study of Agriculture, Books I and II. Experiments with proteid foods and a study of carbohydrates. Continuation of first year's work, planning of menus and cake-baking, fancy and plain.

4. **Third Year.**—Three hours per week. One lecture.

Planning of meals by students, material purchased by them, and meals served. A general continuation of former work, with such additions as may be necessary.

All students must take lectures and will not be excused from practical work except upon a physician's certificate.

A certificate will be awarded for completion of courses II and III in satisfactory manner. Diplomas will be given when work is enlarged and proper facilities obtained.

DOMESTIC ART DEPARTMENT.

The object of this course is to teach thoroughly practical knowledge of all kinds of hand and machine sewing. A dress cutting

system is taught by which the students are enabled to make their own patterns. They must furnish their own materials.

1. **First year.**—Five hours per week.

A work box complete with all the necessary articles of sewing must be furnished by students, also their own material upon which to work. All kinds of stitches used in hand work, such as running, tucks, gathering, overhanding, stitching, back stitching, darning, patching, making button-holes, etc., with the fundamental principles of sewing is carefully taught. Besides, drawing of stitches on paper with illustrations in colored threads is required.

An apron, two shirtwaists, plain and fancy, two undergarments completes the year's work. Extra work will be given.

2. **Second Year.**—Five hours per week.

Care and use of sewing machine, simple drafting lessons, cutting and undergarment making is taught. Some special fancy stitches are given. Aprons, four kinds of undergarments, plain or fancy, an elaborate shirtwaist, a skirt of cotton material and some garments of a fancy nature are required.

3. **Third Year.**—Five hours per week.

S. T. Taylor system of Dress-making is used. Measures are taken; two suits, one woolen and one cotton must be completed. Elaborate work in decorative art of all kinds will be given.

All girls will be required to take this course unless excused by physician. The lectures are required under any conditions.

Certificates will be given in courses II and III. Diplomas, when Department is sufficiently equipped.

Texts: Hapgood Needle work; Margaret Blair's Model Sewing and Garment Drafting; Wakeman and Keller Scientific Sewing and Garment Cutting.

DEPARTMENT OF MUSIC.

MISS ELLENE GLENN.

The chief factor in a musical education should not lie in the teaching of technique but rather in presenting a method through which those to be educated may learn to listen properly, to get the right conception of what music is and consequently reproduce music.—Ritter." Believing that such is the idea of a true musical education, the following subjects are taught with a view to perfecting the talent that is brought to the teacher's notice.

1. **Theory.**—Classes are organized as best suited to conditions.

2. **Harmony.**—Similar conditions existing, though all students must study one or both.

3. Voice.—Flexibility, expression, resonance, volume, proper breathing and rudiments of voice culture are recognized as essentials in voice culture. Special stress is given to each essential.

Texts: Marchesi, Concone, Lamperti Panofka.

Certificates and Diplomas awarded when required grades and averages are made.

4. Piano.—The study of piano occupies a place of so much dignity and importance that too much stress cannot be laid upon it. What the fingers produce is hollow workmanship, but the tonal message transmitted through the mind and soul of those for whom the message was intended, is remembered long after the body has ceased to exist.—Schumann."

Courses are subject to change. An annual concert is given at which students who are sufficiently advanced, are expected to participate.

Special study of the masters is required. Courses are arranged to suit individual needs.

Diplomas and Certificates will be awarded to those receiving proper grades.

School of Agriculture

FACULTY.

G. R. GLENN, A.M., LL.D.
President of the College.

ALBERT A. JOHNSON, B.S., Director.
Professor of Agriculture and Biology.

B. P. GAILLARD, A.M., Vice-President.
Professor of Chemistry and Physics.

J. W. BOYD, A.M.
Professor of Mathematics and Astronomy.

L. M. RICHARDS, E.M.
Professor of Mining Engineering.

J. B. BARNES, B.S.
Professor of Applied Mathematics.

GEO. W. CAMP, B.A.
Professor of English.

FREDERICK S. L. PRICE, Captain, U. S. A.
Professor of Military Science and Tactics.

MISS MARY B. MERRITT, A.B.
Instructor of French and Drawing.

Assistant in Agriculture.*

Student Assistant in Agriculture.*

T. H. WIMPEY,
Farm Superintendent.

* Not yet appointed.

AIM AND OBJECT.

The school of Agriculture in the North Georgia Agricultural College stands for thorough training in the practical science as relates to the various phases of agriculture. Its aim is to send out young men fitted by their training to take a leading part in the development of the agricultural resources of the state, to become scientific farmers and horticulturists prepared to make two blades of grass grow where one grew before, men fitted not only to meet demands made upon them, but to create such demands by pointing out the way to progress and development.

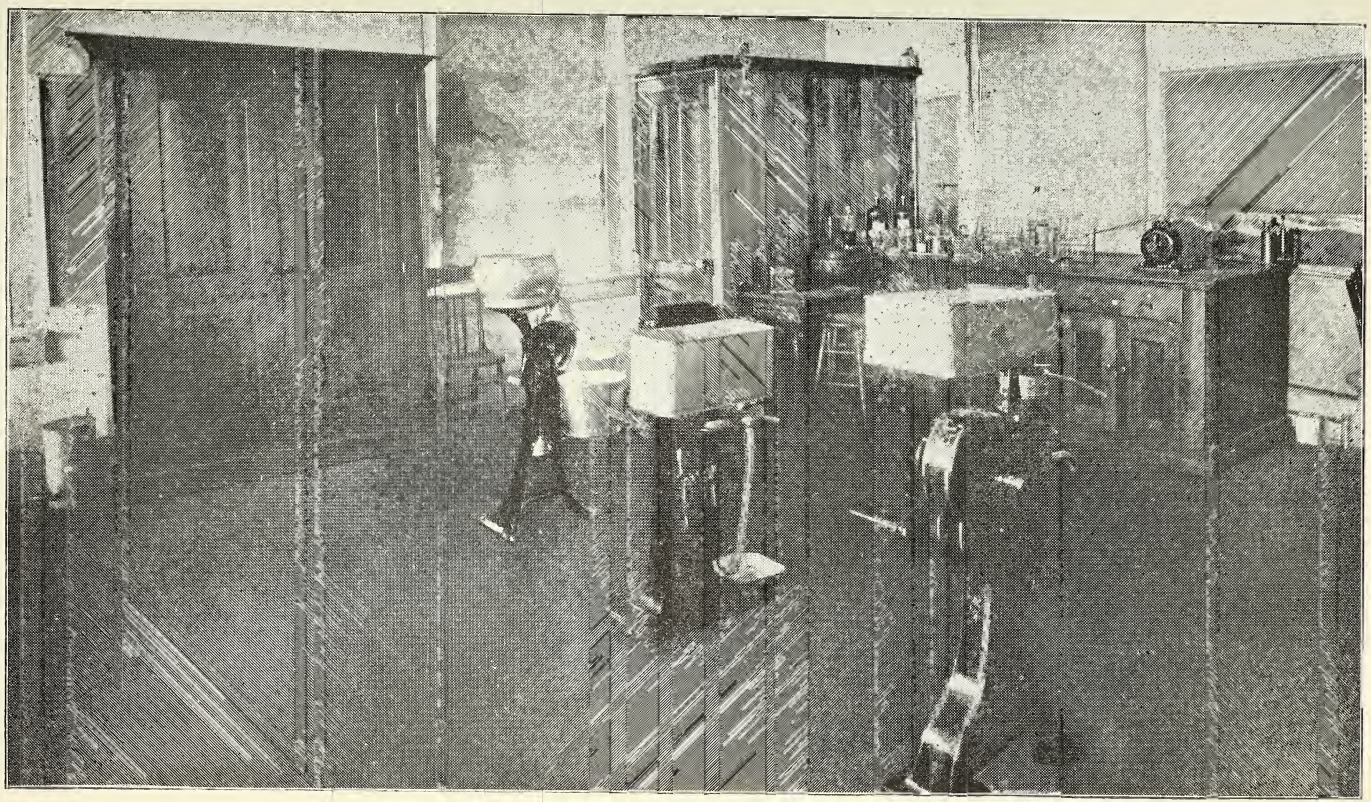
The Field of the School.

The field of school of agriculture is large. The progress of modern science has created new professions, and changed the old ones, until they are beyond recognition. The humble pursuits of the past have been dignified by the concentration of the mind of the man upon them, until, today, they rank with the professions of a generation ago. Our country offers today, unlimited demand for men and women who have made themselves professional workers in the various phases of agriculture. The development of agriculture has made the possibilities of the soil so profitable and pleasant that a great portion of the most intelligent people of the land are looking toward scientific agriculture as the profession for themselves and their children.

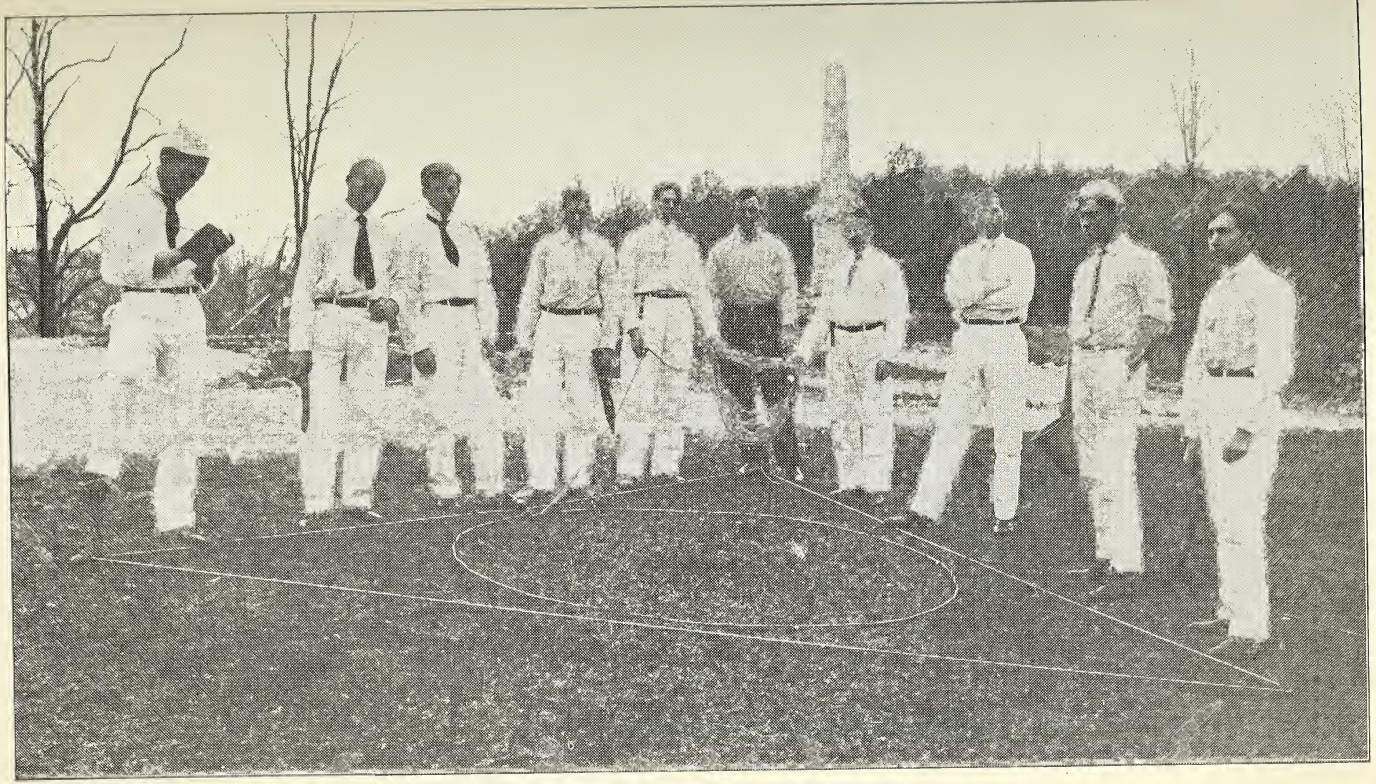
The school of agriculture believes in the education that fits for life, and trains the head, heart and hand.

Possibilities in Agriculture.

The present day learning has created several new professions. One of them is Agriculture. Science has been applied to Agriculture and its various branches until soils and plants and animals can be made to do the will of the trained farmer. Agricultural education is sweeping the entire country. Congress and the State Legislature are helping it on. The development of Agriculture will make it possible for every man and woman who follows farming to earn a handsome income, and at the same time live a helpful and happy life. The farm used to boss the man, but now the man bosses the farm if he has acquired sufficient knowledge. The only serious drawback to the onward march of modern agriculture is the lack of trained workers. The government is calling for more agricultural experts than the country can produce. Every state demands teachers for its High Schools. The District Agricultural schools want teachers of Agriculture. The Agricultural Colleges



SHOWING SEPARATORS, BABCOCK TEST AND OTHER DAIRY APPARATUS.



WORK IN LANDSCAPE GARDENING

are clamoring for more help. The Philippines are taking a great number of agricultural men. Foreign countries are sending for them. There is room in Georgia alone for scores of young men at first class salaries to act in responsible positions. Agriculture is not a crowded profession and the demand for agricultural experts far exceeds the number of graduates in Agriculture.

Laboratories and Equipment.

The School of Agriculture is well equipped with laboratories and class rooms. The biological laboratories are in the basement of the main building and contain equipments for satisfactory work in botany and zoology, instruments such as dissecting microscopes, compound microscopes, students' dissecting sets and microtomes are at the disposal of the students.

The soil physics laboratories and dark room for photographic and vegetable physiology work are located on the second floor of Bostwick Hall. The soil laboratory is equipped with all modern appliances for the mechanical and chemical analysis of soils. The room is fitted up with soil bins, electric motor, shaker, certrifuge and other necessary apparatus.

The dairy laboratory is also located on the second floor of Bostwick Hall. It contains three modern Cream Separators and one eight bottle Babcock Tester. Besides these machines the laboratory contains all necessary appliances for the study of milk and cream under different conditions.

Experimental Farm.

Adjoining the college campus is a thirty acre experimental farm under a high state of cultivation. The farm is divided into plats and a great variety of seeds are grown for experimental purposes. The results are published for the benefit of the farmers.

Ample room is provided for the college herd of live stock which is used in connection with the study of animal husbandry.

Degrees and Certificates.

In order to meet the needs of all young men who desire instruction in agriculture three distinct courses are given.

(a). A four year course which leads to the degree of Bachelor of Science in Agriculture. This course is designed to give a training which is thoroughly practical as well as scientific. The greater portion of the work in agriculture is done in the last two years of this course.

(b). The two year course is similar to the first two years

of the four year course except that in the second year additional work in Agriculture and horticulture is substituted for English and Mathematics, Those who complete this work will be given a certificate.

(c). To meet the needs of men of mature years, who are busy on the farm the greater portion of the year, and for the benefit of those young men who desire to become better farmers and who feel that they cannot take one of the regular courses in Agriculture a short course has been arranged beginning the first Monday in January and closing the second Friday in March.

LIBRARY.

The school of Agriculture has a well equipped Agricultural Department Library in which are kept all government bulletins and publications, reference books and the leading agricultural magazines and papers of the United States.

It is believed that the contact with the books and magazines found in the library is worth a great deal and arouses a desire to know more than books contain. Agricultural students are required to do work in both agricultural library and the larger college library.

OUTLINE OF THE LONG COURSE IN AGRICULTURE.

Freshman Year—First Term.

Hours per week.

Chemistry 4. (Inorganic) 5
Zoology. 1. (Invertebrate) 4
Mathematics .....
Agriculture 1. (Elementary) 3
Free hand drawing 2
English 5. 4

Second Term.

Chemistry 5. (Inorganic) 5
Botany 1. (Elementary) 5
Mathematics .....
Agriulture 2. (Elementary) 3
Freehand drawing 2
English 6. (.....) 4

Sophomore year—First term.

Animal Husbandry 1 (Breeds of live stock) 4
Agronomy 3. (Soils) 4

Dairying 1 5
Physics 7. 5
English 7. 3

Second Term.

Animal Husbandry 2. (Breed of Live Stock) 4
Agronomy 4 (Field crops) 4
Dairying 2 5
Chemistry 6 5
English 8. 3

Junior Year—First Term.

Agronomy 5. (Grasses and forage crops) 4
Geology 1. (General) 4
Animal Husbandry 3. (Principles of breeding) 4
Shop Work 1. (Forging) 4
Second term.....

Second Term.

Agronomy 7. (Farm Mechanics) 4
Animal Husbandry 4. (Principles of Breeding) 4
Horticulture 2. (Vegetable Gardening)..... 4
Landscape Gardening 1. 4
Elective..... 4

Senior Year—First Term.

Animal Husbandry 5. (Stock Judging) 4
English 11. 2
Agronomy 6. (Farm Mechanics) 4
Rural Agriculture 1. (Arhitecture) 4
Bacteriology 1, (Elementary) 4
Elective. 3

Second Term.

Animal Husbandry 6. Feeds and Feeding) 4
Forestry 1. 4
Astronomy 1. (Descriptive) 3
Horticulture 3. 4

TWO YEAR COURSE.

The two year course is the same in the Freshman year as that in the four year course. In the Sophomore year the student is allowed to elect any subject in agriculture in the place of English and Chemistry through the two terms.

A unit hour is one hour of recitation per week for one term. As for instance, if a study comes five times a week it is equal to five hours or a five-fifth course. If it meets but twice a week it is a two-fifth course.

REQUIREMENTS FOR GRADUATION.

The degree of Bachelor of Science (in Agriculture) is conferred on students who successfully complete one hundred and sixty (160) unit hours of work as prescribed in the Agricultural course.

Those who successfully complete eighty unit hours of work as prescribed for the short course will be given a certificate.

Students who wish to make more than schedule calls for (20-21 fifths) per term must have an average of eighty or above in all his work of the previous term. No student may take less than thirteen fifths unless by special permission of the faculty.

No Latin of French is required of the agricultural students. This affects all students who are registered in the agricultural course. A and B classes and the four collegiate classes.

OUTLINE OF INSTRUCTION.

Agronomy.

Agronomy in its strictest sense, includes four general outlines of study; soils, crops, farm mechanics and farm management. Agriculture No. 3 takes up the elementary study of soils and crop and serves as an introduction to the several branches of agriculture, animal husbandry and dairying.

It is proposed to make the agricultural studies thoroughly practical. Agricultural success depends upon Science and to understand the "principles of Agriculture" requires a knowledge of many sciences, Physics, Botany, Chemistry Geology and Mathematics.

Agriculture 1 and 2. Freshman year, first term. An elementary study of the soil—its formation, texture, plant food, moisture, tillage and fertility; the plant—its relation to the soil and climate, its propagation, growth and cultivation; the kinds of crops and their culture; the animal—its life, feeding, breeding, and management.

Soils 3. Sophomore year, first term. A study of soil formation and mechanical composition, including a special study of the physical problems of the soil as regards texture, tillage, movements of soil water, soil-moisture, conservation, aeration of soil, draining and warming the soil.

Laboratory will consist largely of the demonstration and application of the principles of soil physics taught in the class-room,

both by work in the laboratory and in the field. The students will be given practice work in determininm soil moisture, in cultivation methods and in mechanical analysis of soil.

Field Crop 4. Sophomore year, second term. This course includes a study of the following; Standard crop as to the origin, development, and special adaption to soil and climate; investigation of new crops; plant improvement by selection, cross fertilization and by special culture and fertilization of the soil; practical methods of plant breeding which may be undertaken by the farmer; plants for breeding fields; storage, maturity and other factors as affecting germination and vitality of the seeds.

Grass and Forage Crops 5. Junior year, first term. This course treats of the different grasses and other forage crops in particular. See Field Crops 4. Four hours per week.

Farm Mechanics. 6. Junior year first term. Selection of a farm as to location, soil, climate etc; different systems of farming; field and crop management and the keeping of farm accounts. Four hours per week.

Farm Mechanics 7. Junioor year, second term. This special subject will include farm machinery, its invention, history and development; a study o fthe principles of construction and operation with comparisons of the different kinds and classes, according to their adoption for special conditions and uses. The latter part of the term, all the time will be devoted to practical and theoretical instruction in terracing, ditching and drainage work. Four hours per week.

DAIRY HUSBANDRY

The purpose of this course is to give the student such knowledge and skill as will enable him to return to the farm and select, breed and feed the best dairy animals it is possible for him to obtain; or if he has no farm of his own, opportunities are open for young men, after getting some experiences, to work into farm managers. Machinery is fast taking the place of hand labor, and it is therefore essential to become acquainted with the different appliances and gain an intelligent conception of the principles of mechanics.

Dairying 1 and 2. Sophomore year, first and second terms. Breeding, feeding, recording and judging dairy cans; general management of dairy herds. Instructions are given in the conditions influencing the quality and quantity of milk; its secretion, nature and composition; the methods of handling milk for butter and cheese making.

Laboratory work consists in testing milk, cream, skim-milk,

buttermilk and whey; butter and cheese for fat purposes and methods; the detection of adulteration; testing accuracy of glassware; Babcock testers and cream separators; practice in separating, pasteurizing, refining and churning cream.

ANIMAL HUSBANDRY.

Successful agriculture depends very largely upon the quality and class of live stock kept on the farm. As the price of farm lands increase, the value of farm crops is also increased and it becomes necessary to produce a better class of animals to consume many of the farm crops and convert them into marketable products. Realizing this the work has been planned to emphasize this fact and to encourage young men to the breeding and improvement of the various classes of domestic animals. The work has been planned with a view of giving a thorough training along the lines of stock judging and selection, stock breeding, feeding, general care and management.

Breeds of Live Stock 1 and 2. Sophomore year, first and second terms. Four hours a week, through the two terms, are given to the study of breeds of horses, cattle, sheep and swine. Each breed is taken up separately and studied from its origin. The methods used in establishing and improving the breeds, and the environments under which they are reared, their importation and popularity in the United States, are each given due attention, with the idea of making the student familiar with each of the leading breeds of live stock in the country.

Principles of Breeding. 3 and 4. Junior year, first and second terms. This course includes the study of the laws of heredity, variation, atavism, selection etc; methods and results of crossing, inbreeding, line breeding etc. The methods employed by the leading improvers of live stock are studied in connection with the application of these various laws, and the student is shown how to maintain and improve his own flocks and herds by a knowledge of the fundamental principles of breeding. Four hours per week.

Stock Judging and Handling. 5. Senior year, first term. The animals are brought before the student for their inspection and criticism and a score card is used until the student is familiar with the breed characteristics and requirements. Practical work in handling live stock, such as throwing animals, administering medicines, trimming hoofs and dehorning. Four hours per week.

Feeds and Feeding. 6. Senior year, second term. The practical feeding of the various classes of domestic animals for the most profitable results is given in this course. The student is shown

how to apply his knowledge of feeding standards and tables of digesting nutrients in feeding—stuffs to actual feed-lot conditions; the most economical combinations of feeds for maintenance, the production of milk and the growing and fattening of the various classes of animals for market. Special atttention is given to conditions prevailing over our own state. The results of experimental feeding by experiment stations are freely drawn upon in this subject. This course presupposes a year of chemistry. Four hours per week.

BOTANY.

It is well recognized that botany is one of the most important of the sciences upon which the practice of agriculture is based for the reason that botany deals with plant life, basis of agriculture.

Elementary Botany. 1 Freshman year secon term. This course covers the elements of morphology, and physiology All of the great groups of plants are discussed in the order of their evolutionary development. Especial attention is given to the changes in structure which appear in response to the changes of environments. Emphasis is laid upon the plasticity and adaptiveness of the plant organism. By grasping this fundamental conception at the outset, the facts of plant life, practically studied in horticulture and agriculture, become more comprehensible and significant. A general study of the classification of the plant kingdom, sufficient to enable the student to understand the broad outlines and the relationship of the alliances secured in this course, and by coming in close contact with plants as living organisms in their natural habits enables him to become acquainted with the factors that regulate their life and activity.

Laboratory work and trips into the Blue Ridge Mountains form part of the practical work. Five hours per week.

HORTICULTURE.

Students are given instruction and practice as will enable them to become acquainted with the general principles of plant culture and the practical application of those principles. The work is planned to give such knowledge of horticulture as will best help to increase the capacity of the students for the enjoyment of outdoor life and work with plants and to enable them to increase the comforts, beauty and profits of life on the farm.

Horticulture. 1. Junior year, first term. This work presents the principles of tne art, introducing the facts underlying the methods of general practice in nursery, orchard and garden work.

The planning and planting of groves, orchards, and gardens with notes as to species and varieties adapted to various conditions.

Laboratory work consists of practice in nursery, garden and orchard work, including setting, grafting and cutting, spring prunning, construction and care of hot-beds and cold frames, testing and planting seeds, preparation of garden soils, use of garden tools, making an application of spray mixtures and the use of spray machinery. Four hours per week.

Vegetable Gardening. 2. Junior year, second term. The work of this year is devoted to a study of methods of field operations, including use of fertilizer, seed selection, means of securing sanitary conditions, and a brief study of varieties. Vegetable gardening is supplemented with lectures on small fruits, marketing and adaptation of principles of local conditions. Four hours per week.

Landscape Gardening. 3. Junior year, second term. It is the wish of the school to promote the work of landscape gardening in every possible way. The main object of the course is to give the general student an understanding of the fundamental principles of design and good taste as applied to gardening. The principles of this art are studied in relation to their application to the planting and planning of home grounds, walks and drives, streets, parks and cemeteries. The value of the various trees, shrubs, annual and perennial herbaceous plants for securing desired effects, are taken up in detail, with special reference to their use under different climate and soil conditions. Gardens of hardy and tender plants are being continually extended. Actual work in practical landscape gardening, laying drives and walks, planning and planting various areas, is constantly in progress on the college campus, Four hours per week.

ZOOLOGY.

Zoology. 1. Freshman year, first term. This course is an introduction to the study of animals—their structure, functions, habits, origin, relationship and classification. The student is first introduced to the simplest forms of animals, in which structure and functions are expressed in their simplest terms. From the consideration of these, he passes in a natural manner to the study of higher and more complex forms, thus obtaining a knowledge of the gradual differentiation of sctructure and correlative specialization of functions so clearly illustrated by the study of types. Special attention is paid to animal ecology—e. g.; the relation of animals to their environment, effect of climate,, soil etc; parasitism, commercialism, natural and artificial selection; the interdepend-

SOIL PHYSICS LABORATORY.

ence of species, and the caution which must be observed in interference with these natural relations. Five hours per week.

BACTERIOLOGY.

Bacteriology. 1. Senior year, first term. The instruction in bacteriology is given by means of lectures, text-books work, recitations and laboratory exercises. The object of this course of study is to acquaint the student with the various organisms found in air, water, soil, milk and the body, and their relation to such processes to decomposition, fermentation, digestion, and production of disease. The toxic substances resulting from the growth of organisms are considered, as well as the antitoxins used to counteract their action. Four hours per week.

SHOP WORK

Forging. 1. Junior year, first year. This work includes exercises in bending, twisting, shaping, welding iron and making tools; etc; followed by work in steel such as tool making, tempering, welding etc. Required of all agricultural students. Four hours per week.

School of Business Science

Staff of Instruction.

GUSTAVUS R. GLENN, A. M., LL. D.,
President.

J. W. BOYD, A. M.,
Professor of Mathematics and Astronomy.

J. C. BARNES, B. S.,
Professor of Applied Mathematics.

GEO. W. CAMP, A. B.,
Professor of English Language and Literature.

W. J. BRADLEY, A. M.,
Professor of History and Economics.

S. B. ROWLAND, M. Accts.,
Professor of Business and Shorthand.

Freshman Year.

In this age of large commercial enterprises of every kind and of the very keenest competition it is almost indispensable that every young person have an education, and if possible, some business training. This is true not only of the banker, merchant, and lawyer, but of the farmer, mechanic and laborer. None of us can shirk our business relations. Therefore it is necessary that we obtain some of this descipline or training in the school room, and thus save ourselves of some high-priced experience. The modern business house is like a perfectly constructed machine, every employer fitting in and working with one end in view. The managers, secretaries, bookkeepers, stenographers, clerks, workmen, etc., are simply representative of the different pieces of the nicely adjusted machine. If any one fails to do his duty, the efficiency of the ma-

chine's work is hindered, and everything is thrown out of gear. Consequently, good bookkeepers and stenographers are always in demand. The fact that our commercial students get so much academic training makes our course an exceptionally strong one, producing that roundness of development that is so essential to one's success in life.

Bookkeeping.

It matters not whether a man ever expects to keep books, he will find a course in bookkeeping beneficial to him in any vocation for it is absolutely necessary that he keep in close touch with his business and if no records of that business are kept this will be impossible. The training received in neatness, persistency, and accuracy is well worth the money and time expended.

Bookkeeping 1. Freshman year, first and second terms. An introductory course is given in determining debits and credits —journalizing, posting, and closing the ledger. Five hours per week. Text: "Bookkeeping and Business Practice," Williams and Rogers.

Bookkeeping 2. Sophomore year, first and second terms. The work if the first year is continued, becoming a little more complex. Single Entry is presented. Changing from Single to Double Entry. Shipping and Commission; Jobbing; Installment houses and State Agencies; Joint Stock Companies; Manufacturing. Five hours per week. Text: "Bookkeeping and Business Practice," Williams and Rogers.

Actual Business and Banking 3. Junior year, first and second terms. The student is given actual work in buying, selling, shipping, discounting, collecting, depositing; issuing and receiving all the papers incident to the many transactions made as well as making the proper entries in his different private books and in the different books of the bank and offices. Each student represents a business house and serves his turn in the bank and different offices. Five hours per week.

Typewriting.

The typewriter is one of the many outgrowths of our great business development, and because of its simplicity of construction and ease of operation many deem instruction on it to be needless. This feeling has brought disappointment and failure to many who have chosen typewriting for a vocation. While it is possible for anyone to write on a typewriter without any special instruction, it is impossible for him to attain that speed, accuracy, evenness of touch, and ease of operation of the trained writer.

Typewriting 1, 2, 3, Freshman, Sophomore, and Junior. First

and second terms. Five times per week. Text: "Barnes' Complete Typewriting Instructor."

Shorthand.

Shorthand is growing rapidly in use and popularity as is shown by the large number of high schools that have adopted it as a part of their course during the last few years. This is due to the fact that the demand for amanuenses is increasing and that our educators are recognizing the importance of a shorthand training of the students in a physical and mental way aside from the direct use of the art. Phonography furnishes a fine "stepping stone" for full acquaintance with the business in which you are employed thereby putting you in line for promotion when a vacancy occurs.

Shorthand 1. .Sophomore year. .First and seccond terms. The work consists of reading and writing all the shorthand exercises that are given in the text with sepcial reference to the fundamental principles of shorthand. Word and sentence dictation. Five houre per week. Text: Graham's Standard Phonography.

Shorthand 2. Junior year. First and second terms. Review of text book and word signs. Letter dictation from different kinds of business. Transcript from shorthand notes, letter-press copying, manifolding, and mimeographing. Actual office practice.

Work in the other subjects named in the outline is largely lectures upon which the student takes notes. These courses are made as comprehensive as possible in the time allotted.

The courses pursued in the sub-freshman years are the same as all other courses except that Spelling and Pennmanship are given instead of Latin.

DEGREE.

A Degree of Bachelor of Business Science (B. B. S.) is conferred upon those students who finish the course of study as outlined in the following schedule. Students finishing two years' work will be given a certificate.

Schedule of Studies Leading to the Degree of Bachelor of Business Science in Business

Freshman Class B. B. S.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
History	5	History	5
Bookkeeping 1	5	Bookkeeping 1	5
Typewriting 1	5	Typewriting 1	5

Sophomore Class B. B. S Course.

First Term.		Second Term.	
English	.5	English	.5
Mathematics	.5	Mathematics	.5
Bookkeeping 2	.5	Bookkeeping 2	.5
Shorthand 1	.5	Shorthand 1	.5
Typewriting 2	.5	Typewriting 2	.5

Junior Class. (Graduate Year). B. B. S. Course

First Term.		Second Term.	
English	.3	English	.3
Actual Business & Banking 1	.5	Actual Business and Banking & Modern Bus. Methods 1	.3
Modern Business Methods	.5		
Shorthand and Business Correspondence 2	.5	Shorthand and Business Correspondence 2	.5
Typewriting 3	.5	Commercial Geography	.2
		Commercial Law	.5
		Typewriting 3	.5

School of Mines

GUSTAVUS R. GLENN, A.M., LL. D., President,
Professor of Philosophy.

LOUIS M. RICHARD, Met. E. Director,
Professor of Mining and Electrical Engineering.

BENJAMIN P. GAILLARD, A.M., Vice-President,
Professor of Chemistry, Physics, Geology.

J. W. BOYD, A.M.,
Professor of Mathematics and Astronomy.

GEORGE W. CAMP, A.B.,
Professor of English.

J. C. BARNES, B.S.,
Professor of Applied Mathematics.

MISS MARY MERRITT, A.B.,
Instructor in French.

Article 1—Announcement.

1. The School of Mines of The North Georgia Agricultural College has been established primarily for the purpose of giving thorough scientific education, both practical aand theoretical, to men studying for the profession of the mining and metallurgical engineer, the assayer, the consulting geologist. The desire is to train men to take a more active part in the winning of the mineral wealth of the state and nation.

2. **Situation**—Dahlonega is most fortunate as the seat of a mining school. Situated in the heart of the great gold belt, there is within a radius of five miles several of the largest, most extensively equipped stamp mills in the United States. Within a few hundred yards of the school is situated the fifty stamp mill of the Crown Mountain Gold Mining Co., whose works are always accessible to students of The School of Mines. To the East within walking distance is the plant of the Consolidated Gold Mining Co., a fine example of an up-to-date one hundred and twenty stamp mill. It has in connection an Edwards roasting furnace

of a capacity large enough to handle the concentrates from more than 36 vanners. By courtesy of the management the students have access to all of these plants.

3. **Environment.**—The nearer a School of Mines is to a neighborhood of mining; the nearer such a school is to the atmosphere of mining operations, the more potent we find its influence. Nature herself could not have selected a spot more suitable for a mining school than Dahlonega. Dr. Glenn and the Trustees of The North Georgia Agricultural College have been keenly alert to the existing environment which harmonizes with the work of the mining student both present and future. The mineral possibilities of the country in and around Dahlonega and especially to the north is very great. Rare opportunities are here offered to the student of mineralogy and geology. Rocks of various geologic age are here extremely well represented and economic deposits of many rare and valuable minerals exist in varied form.

4. **Instruction**—The method of instruction includes lecture, text-book laboratory and recitation work.

The metallurgical laboratory equipment is especially good, consisting of muffle and wind furnaces, jaw and gyratory crushers, samplers, classifiers, gold and silver balances, etc. The course in Assaying and all Metallurgy is especially strong.

5. **Minerals**—A working and a museum collection of hundreds of specimens gathered from home and abroad makes the department of mineralogy extremely interesting.

6. **Drawing.**—Mechanical Drawing as applied to all the phases of engineering receives our close atention. The drawing department is well equipped with tables, etc., the course ranks second to none in the United States.

7. **Resume**—With all of these advantages we feel justly proud and can conservatively proclaim The School of Mines of The North Georgia Agricultural College as offering advantages for the study of Mine Engineering as are rarely met with at any one place.

Article 2.—Requirements for Admission.

1. The Classes in the School of Mining are open to all who are proceeding to a diploma or a degree. Students are required to pass the Matriculation Examination or an equivalent thereto, and must follow the courses as hereafter mentioned.

2. **Registration.**—All students are required to show their entrance tickets and paid up Laboratory fees before they will be registered for work in this course.

3. **Admission by Examination.**—Students who desire to be-

come candidates for a degree are admitted on examination in the following subjects:

English.
Arithmetic and Metric System.
Bookkeeping.
Algebra, through Quadratic Equations.
Geometry—Plane, Solid and Spherical.
Physics or Chemistry.
French or German.

4. **Admission by Diploma.**—Candidates who are graduates of the proper course of a high school, the grade of whose work is on a par with that of this institution, will be admitted upon presentation of Diploma.

5. **Admission to Advanced Standing.**—Graduates of approved colleges are admitted upon presentation of their diplomas or certificates of graduation.

6. **Special Arrangements.**—In many cases persons who have been engaged in practical work and desire to better their condition by systematic training and who are not candidates for a degree may be permitted to take special studies. Such men often prove to be among the best students since they realize clearly the purpose of their work and the value of time.

7. **Attendance.**—Students are required to attend 80% of class lectures before permission will be given to write on examinations and 80% of Laboratory hours before work will be certified. Exemption from this rule can be obtained only on application to the Faculty.

8. **Courses.**—All students must take the subjects required in their courses in conformity with the calendars of their years of attendance. If a student wishes to change his course he must first obtain permission of the Faculty.

9. **Degrees.**—The School of Mines offers the degree of Engineer of Mines, E.M.

The conditions under which this is given is as follows:

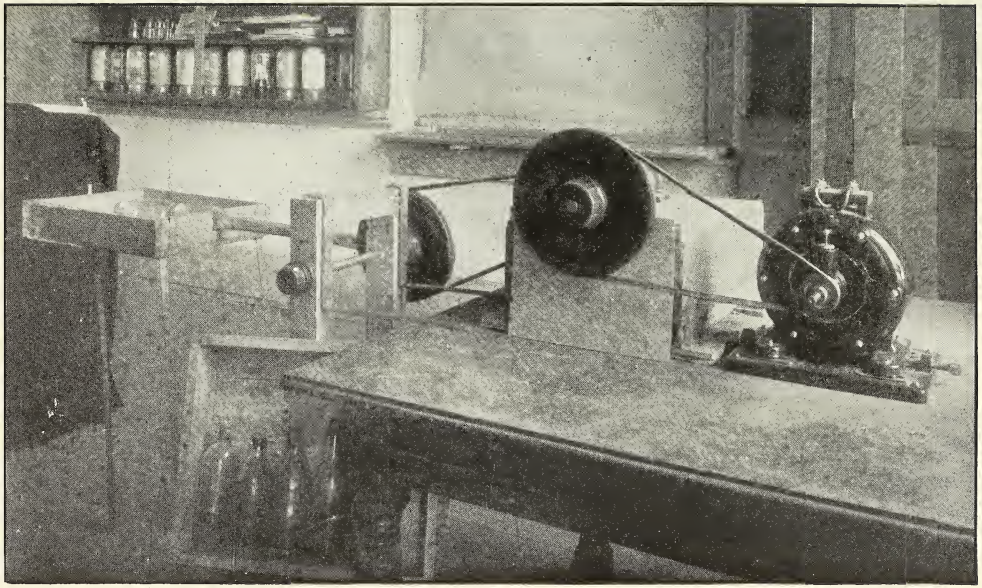
To obtain this degree the student must have been a resident student of this institution for at least one full year prior to graduation.

All students for the above degree of Engineer of Mines are required to have had at least two years training in both, Geology and Principles of Mining.

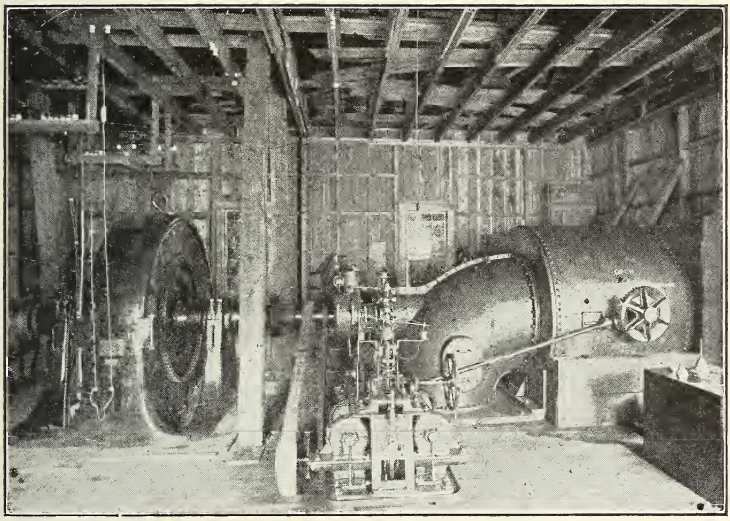
The course is strictly a four years course.

MATHEMATICAL SECTION.

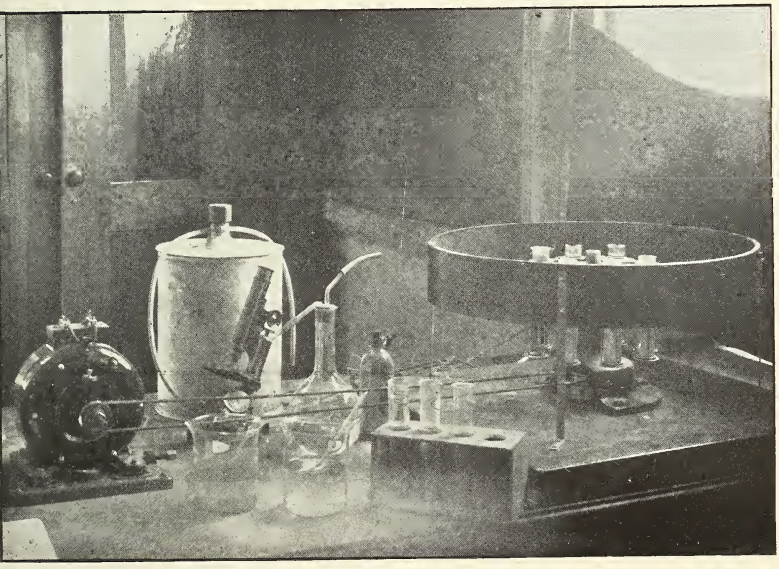
(1.) Algebra. The course begins with a review of Quadratic Equations, continuing with the Theory of Equations, Probability,



SOIL SHAKER.



INTERIOR VIEW OF POWER PLANT



MOTOR AND CENTRIFUGE.

Series, Binomial Theorem and a thorough study in Series. Five hours per week, first term, Freshman year. Text: Wentworth's Higher Algebra.

(2.) **Solid Geometry.** Books VI.-IX. inclusive, Wentworth's Plane and Solid Geometry. Five hours per week, first term, Freshman year.

(3.) **Trigonometry.** Plane and spherical trigonometry, including a working knowledge of Logarithms and the use of tables. Many practical problems are given to the students to be worked out. Five hours per week during the second term of the Freshman year. Text: Wells' Complete Trigonometry.

(4.) **Analytical Geometry.** The point, straight line and circle are treated quite fully, the conic sections are defined, and the general theorems (relating to tangents, normals, poles and polars, and diameters) are derived. The Conic Section. The nature of the conic corresponding to the general equation of the second degree is determined. Solid Analytics are studied with a view to the analogous forms of equations in Plane and Solid. Five hours per week, second term, Freshman year. Text: Ashton's Plane and Solid Analytic Geometry.

(5.) **Calculus.** Differential Calculus. Differentiation; also the general nature and use of Integral Calculus is explained. Five hours per week, first term Sophomore year. Regular courses 1, 2, 3 and 4 in Mathematics. Text: Murray's Infinitesimal Calculus.

(6.) **Calculus.** Integral Calculus. A continuation of Course 5 in which integration of various functions with its application to plane curves, areas, surfaces, volumes, centers of gravity, moments of inertia, is taken up. Five hours per week, second term, Sophomore year. Text: Same as course 5.

MECHANICAL SECTION.

(1.) **Descriptive Geometry.** A study of the Projection of Points and Lines; Simple Solids in Simple Positions with sections of the same; Planes; Projection of Plane Figures in taken up and carried on through recitations. Five hours per week, first term, Freshman year. Text: Low's Practical Solid or Descriptive Geometry, Part I.

(2.) **Descriptive Geometry.** Continuation of Course 1 with addition of problems in Lines, Planes, Solids; Intersecting and Tangent Planes and Surfaces; Isometric Projection; Shadows; Perspective. Five hours per week, second term, Freshman year. Text: Low's Practical Solid or Descriptive Geometry. Part II.

(3.) **Mechanical Drawing.** All efforts during the early part of the work are directed toward making the student thoroughly

acquainted with, and exercised in, the proper use of his drawing instruments and drafting supplies in general. The work then proceeds with mechanical and free hand lettering, line shading, tinting, shading with tints, and conventional tints for different materials. There are eight of these mechanical sheets, a title page for the mechanical sheets and a title page for the descriptive geometry sheets. These two title pages may be a part of the second term's work.

It is desirable that students taking preparatory work in the lower courses, take an elementary course in this work such as given for the B. S. students. (Optional.)

The instruction in the art of drawing is esigned to give prominence to such branches of the subject as are of most value to the practicing engineer. It is required that the instruments used shall be of the best. The following are required:

One 5½-inch compass.
One 3¼-inch bow spacer.
One 3¼-inch bow pencil.
One 3¼-inch bow pen.
One 5-inch ruling pen.
One30°—60° triangle.
One 45° triangle.
One curve.
One 30-inch T square.
Two bottles of ink.
Eight thumb tacks.
Three rubbers.
Two pencils.
Twelve pens.
One penholder.
Penwipers.
Chamois.
Cloth board covers.
One file pencil-sharpener.
One 15-inch adjustable curve.
One 12-inch white-edged scale.

CIVIL ENGINEERING SECTION.

(1) **Surveying.**—Instruction is given in the theory of the adjustment of the transit and level, the principles of land surveying, topographical surveying and railroad work. The theory of the Plane Table and also that of the Aneroid Barometer are given.

Plane Surveying one month at the close of the school year.

Courses 1, 2, 3, 4, 5, and 6 in Mathematics and courses 1, 2, 3, in Drawing required.

Text: Johnson's Theory and Practice of Surveying; Pence and Ketchum's Surveying Manual.

Field Surveying.—The course consists in adjusting instruments, traverse surveys, calculation of areas and distances, stadia work and the laying out of a short railway line. All the problems are plotted in the office and the calculations made in a regular book kept for that purpose.

Field and office work one month at the close of the Freshman year.

(2) **Theoretical Mechanics.**—This course consists of the theoretical study of mechanics and materials. Statics of a material point and of rigid bodies; centers of gravity; chains and cables; moments of inertia of plane figures; stresses and strains; tension; shearing; compression; torsion; flexure; combined torsion and flexure; elastic curves; safe loads; applications to commercial forms; oblique forces; columns; continuous beams. Dynamics of material point. Impact. Virtual Velocities. Centrifugal and centripetal forces. Moments of inertia of soils. Pendulums. Dynamics of rigid bodies. Work. Power. Energy. Fly-Wheels. Friction. Dynamometers. Belts.

Lectures and recitations four hours per week, first and second term of Junior year. Text: Church's Mechanics of Engineering with Notes and Examples, Cambria Steel Hand Book.

(3). **Graphics.**—Definition. Forcetriangle. Forcepolygon. Concurrent and non-concurrent forces. Equilibrium polygons. Pole. Rays. Special equilibrium and force polygons for vertical loads. Vertical dimensions of equilibrium polygon. Application to simple beams with various loadings to centers of gravity; to moments of inertia; to articulated cranes, trusses and gallows frames. Graphics of mechanism. Forward and backward motion. Efficiency. Sliding journal and rolling friction. Mill Elevator. Wedge. Jack-screw. Engines. Ore-crusher. Friction Roller. Chain friction. Tackles and pulleys. Ropes. Spur-gearing. Belting.

Lectures and recitations four hours a week during the second term of the Junior year. Drafting two hours per week of the second term.

Text: Church's Mechanics of Engineering.

Church's Notes and Examples in Mechanics.

(4) **Structural Details.**—Theory—Definitions and dimensions of parts. Housing, notching, mortise and tenon, dovetailing, lag screws, dowels, lugs, keys, brace blocks, nuts and washers, etc. Unit stresses, Loading, Splicing; finishing, scarf-

ing. Deepened beam. Articulated trussed beam solved graphically and by method of "least work." Wooden roof truss; rafters, purlins, upper chord, lower chord, tie-rods, end joint, corbed, anchorage. Pin and riveted steel roof trusses.

Recitations and lectures three hours a week during the first term of the Senior year.

Design.—Tabled fish-plate joint. Plain wrought-iron fish plate joint. Deepened beam. Trussed beam. Wooden roof truss. Steel roof truss. Pin or rivet connections. Steel and masonry buildings. Wood and steel gallows frames.

Two afternoons a week during the first term of the Senior year.

Texts: Ketchum's Steel Mill Buildings; Cambria Steel Hand Book.

(5) **Hydraulics and Hydraulic Motors.**—This course is given partly by lectures, and partly by recitations; it embraces hydrostatics, the flow over weirs, through orifices, through pipes, flumes, ditches and conduits of various forms. It also includes an elementary study of the various types of hydraulic machinery.

Three times per week for the first term Senior year.

Texts: Church's Mechanics of Engineering; Church's Hydraulics Motors.

(6) **Contracts and Specifications.**—This course is designed to give the student enough knowledge of the subject to set firmly in his mind the need of a lawyer in case of large undertakings; to show him the position of the engineer as an expert witness and to give practice in the writing of specifications. Three hours per week, second term, Senior year. Text: Johnson's Contracts and Specifications.

(7) **Testing Laboratory.**—Measurements are made of the flow over weirs, through orifices and through flumes and ditches. The determination of the approximate law of flow in pipes also forms part of the course. Water wheels are tested and the efficiency of the hydraulic ram under various conditions is determined. Natural and Portland Cements. Cement mixing. Cement mortars. Testing cement and cement mortars for tensile and crushing strength; adhesion, soundness, fineness, setting, freezing, effect of chemicals. One afternoon per week during first term Senior year.

METALLURGICAL SECTION.

(1.) Assaying.

Lectures and recitations once a week, sixteen weeks, winter and first half of Spring term, and one hundred twenty hours of

laboratory work, including half hour daily recitations. To be preceded by Qualitative Analysis and Mineralogy.

The Fire-Assaying comprises: Assay of ores and metallurgical products for silver, gold and lead by scorification and crucible methods; also the assay of silver bullion, base bullion, of rich silver sulphide for gold and silver, of cyanide solution for gold of copper for silver and gold, and the assay of ores and products containing metallics.

Metallurgy.—This course is arranged to meet the requirements of the mining engineer, as well as for those who are intending to specialize in metallurgy.

The instruction covers the following:

1 Ores, their characteristics, classification and qualities.

2 Sampling of ores and products.

3 Preparation of Ores, Crushing, and the kinds of fineness of crushing.

4 Combustion, Fuels, natural and artificial, manufacture of fuels, gas producers and apparatus.

5 Roasting of Ores and Roasting Furnaces and the Chemistry of Roasting.

6 Refractories.

7 Gold Milling, Roasting, Cyaniding, Chlorination.

8 Silver. Ores and their occurrence. Roasting, Hyposulphite leaching, Russel process. Cyaniding of silver ores.

9 Copper. Ores of Copper. Roasting, blast furnace matte smelting, pyritic smelting, reverberatory matte smelting. Smelting of oxidized copper ores to pig copper. Copper converting. Hydrometallurgy of copper.

10. Lead. Lead and its ores, classification and sampling. Crushing, roasting, and bedding. Smelting lead ore for lead only. Calculation of charges. Cost in smelting.

. . . **(2) Fuels, Iron and Steel.**—Historical sketch. The relation of Metallurgy to Chemistry. Properties of the metals, alloys, brasses and bronzes. Thermo-treatment of metals. Fuels in the solid, liquid, and gaseous state; their occurrence and manufacture.

Refractory materials, their occurrence, properties, manufacture and uses. Pyrometry and Calorimetry. Furnaces, different types used for various metallurgical operations. Blowing apparatus. Hot Blast stoves. Typical metallurgical processes. Sampling of ores and metallurgical product. Roasting of gold, silver, copper, lead, zinc, and iron ores.

This is followed by the metallurgy of iron and steel from the ore in the mines through the various processes of the modern steel works to the commercial products viewed on every side.

Five hours per week, first term Junior year. Text: Sexton's Fuel and Refractory Materials; Greenwood's Steel and Iron.

(3) **Lead and Zinc.**—This course is a lecture course with short quizzes every week. The kinds of ores, methods of handling and treating them in different localities, together with detail work on the smelter layout covers this ground thoroughly. Appropriate trips will be taken during the work. Five hours per week, second term, Junior year.

(4) **Ore Dressing.**—A detail study of the handling of ores and getting them into shape for metallurgical treatments. Crushers, stamps, jigs, screens, concentrators of various descriptions, stamps and the detailed study of mill construction and arrangement is made. Work in neighboring mills will be arranged so that students will have practical experience in this line of work.

Four hours per week in class room; two hours laboratory per week, first term Senior year.

5 **Metallurgy of Gold.**—Occurrence and properties. Various processes of extraction. Stamp Milling. Extraction by amalgamation. Extraction by Chlorination. Extraction by Cyaniding. Arrangements of plants and typical mills. Melting and refining of gold and parting of gold and silver bullion.

6 **Metallurgy of Silver.**—Occurrence and properties. A general discussion of various processes for the extraction from ores. The Patio process. The Washoe process. The Combination process. The roasting and pan amalgamation. The Boss process. Wet processes. Refining of Silver bullion. Purchasing, sampling, and testing.

7 **The Metallurgy of Copper.**—Smelting in reverberatory and blast furnaces. Pyritic matte smelting. Concentration of mattes by various process. Wet processes of treating mattes and ores. The study and calculation of the furnace charges, and slag. Bessemerizing. Process of refining in reverberatories and electrolytic refining.

Four hours per week, second term, Senior year.

Texts and References: Rose, Metallurgy of Gold; Collins, Metallurgy of Silver; Eggleston, Metallurgy of Silver; Schnabel, Hand Book of Metallurgy; Richards, Stamp Milling of Gold Ores; Peters, Modern Copper Smelting; Long, Matte Smelting.

8 **Zinc.**—The ores of zinc, Roasting, Retorting and furnaces.

9 Estimates of works or plants, profit of plants, etc.

METALLURGICAL LABORATORY PRACTICE.

10 Nine hours a week, Spring term.

The instruction comprises recitations and laboratory work as follows:

Amalgamation.

Leaching methods for the extraction of gold, silver and copper.

Properties of refractories.

Properties of copper.

Roasting, oxidizing, etc.

Metallurgical calculations.

MINERALOGY SECTION.

The work in this department is intended for students taking the course of mining engineering and metallurgy.

(1.) Mineralogy.—The work in this class is intended as a preparation for those entering upon the studies of geology and petrography, mining and metallurgy. The class should be taken after junior chemistry and junior physics. A knowledge of chemistry and physics is necessary for a proper comprehension of the subject. The regular work consists of a course of lectures and demonstrations on crystallography at the beginning of the fall term, illustrated by lectures on the physical and optical properties of minerals, the description of about forty prominent Georgia minerals, practical work in the determination of these by means of the blowpipe and field tests.

Each student is supplied for the session with a quantity of minerals for which he is held responsible. The practical work of the class is conducted in the mineralogical and blow-pipe laboratory, where are located the specimens of commonly occurring minerals. Students are taught to recognize minerals by simple field tests, such as form, colour, streak, hardness, specific gravity, etc. For this work students must provide themselves with a pocket lens, knife, streak plate and magnet.

Students are urged to make use of the museum and of the extensive collection of rock and mineral specimens provided for them in the mineralogical department.

Text books: William's Crystallography. Miller's Minerals and How They Occur.

Books for reference: Eakles tables; Moses and Parsons Mineralogy; Crystallography and Blowpipe Analysis, 2nd. Ed.; Kolbeck's 6th Ed. of Plattner's Probirkunst mit dem Lothrohre.

Books from the Department Library and from the Professor's private library may be obtained from the Professor.

MINERALOGY (2)

The work of this class is intended for those taking advanced work in geology, petrography, and determinative mineralogy.

The regular work consists of a course of lectures, two hours per week, dealing with the physical properties, etc., of minerals, illustrated by specimens from the lecture cabinet. Essays on prescribed subjects are required.

Text books: Dana's Text-book of Mineralogy, 1906. (Wiley & Sons).

Books for reference: Miers' Mineralogie, Tschermaks' Mineralogie, Brauns' Mineralreich.

MINERALOGY (3)

The work in this class is intended for students who attend the class in geology and who have no previous knowledge of mineralogy.

The course consists of about a dozen practical demonstrations one hour per week during the fall term, to make students familiar with the more common rock-forming minerals, and ores, so that the geology lectures ma ybe more intelligible. The students are taught to recognize minerals by field-tests, such as form, colour, lustre, streak, hardness, specific gravity, etc.

MINERALOGY (4)

Economic Mineralogy.

A course of lectures, showing the occurrence and uses of minerals.

The following minerals and mineral substances will treat: Petroleum, Asphalt, Graphite, Diamond, Corundum, Feldspar, Kaolin and Mica, Asbestos, Phosphates, Gypsum, Nitre, Borax.

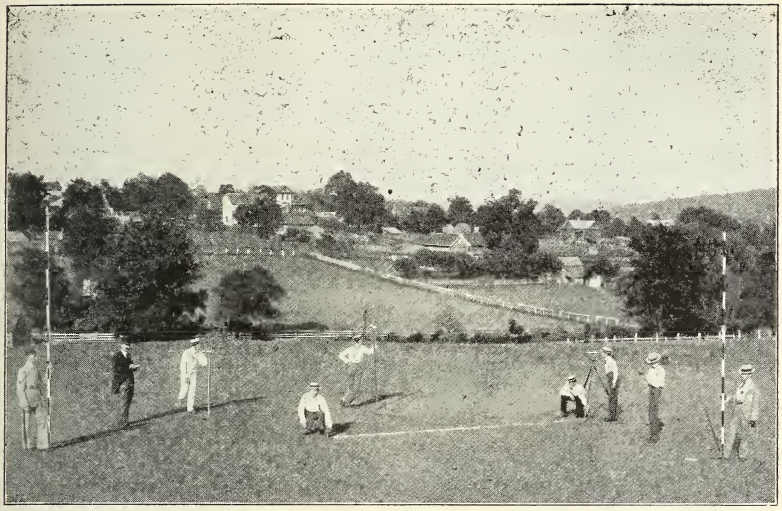
The requirements of the course 3 and 4 will be specified at the beginning of the fall term.

(1) **Crystallography.**—The course is intended to give a thorough comprehension of the fundamental principles of the subject with a view to utilizing this knowledge for the practical determination of minerals. Instruction is given through lectures followed by laboratory practice, and through individual quizzes. The material presented covers the six crystal systems and most of the semihedral and tetrahedral divisions. The practical work embraces the study and determination of wooden crystal models, and the identification of crystal forms on natural crystals.

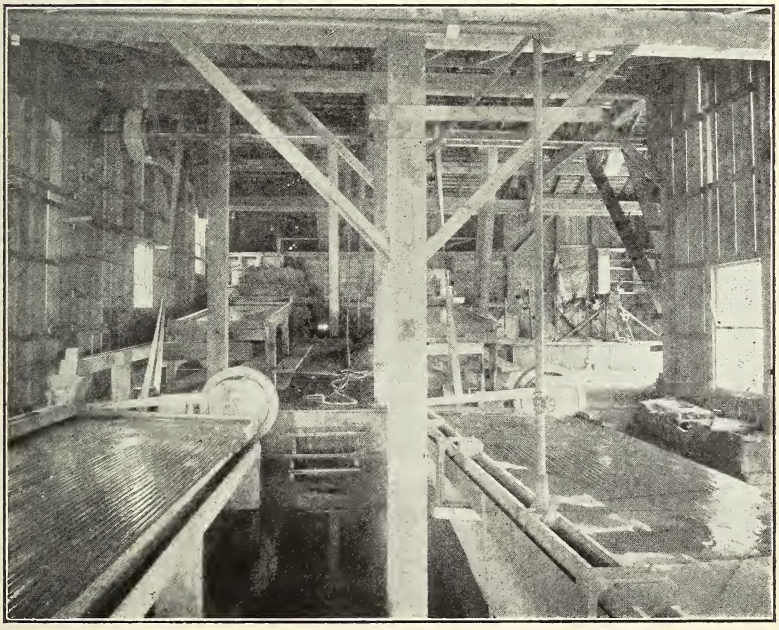
Six hours a week until Christmas, during the first term of the Sophomore year.

Text: Patton's Lecture Notes on Crystallography.

(2) **Blowpipe Work.**—In this course only the most characteristic relations of the more commonly occurring elements are presented, namely those which will be found necessary for the



SURVEYING SCENE.



INTERIOR VIEW OF MILL

proper determination of the minerals presented in the course in Determinative Mineralogy.

Thirty hours total, Sophomore year.

Texts: Moses and Parsons' Mineralogy, Crystallography and Blowpipe Analysis.

GEOLOGY SECTION.

The instruction in this department is adapted to the needs of the prospector, the mining engineer, and the professional geologist. Provision is also made for persons who desire a knowledge of the subject as a part of a general education. Graduates and others who wish to pursue some special line of investigation, or who desire to work up material collected by themselves, will have every facility placed at their disposal.

Students have access to the Geological and Mineralogical museeum, which contains large number of specimens illustrative of petrography, palaeontology, economic minerals, and general geology of The United States and especially of the State of Georgia.

Advice concerning field work in geology during the summer vacation will be given by the professor.

Working hours will be arranged to suit the class at the beginning of the fall term.

GENERAL GEOLOGY (1)

A study will be made of structural and dynamical geology in connection with their bearings on economic problems.

Opportunities will be offered for those wishing to prosecute any special line of investigation. Students are advised to devote as much time as possible to field work during the preceeding long vacation. Students are expected to supplement their reading by a study of the collections given below.

Entire Sophomore year, 5 times per week first term; 4 times per week second term.

Text Books: Elements of Geology. (Norton). Chamberlain & Salisbury's Geology, Vol. 1, 2 and 3. General Geology. (Scott).

Books for reference: Geikie's Field, Geology, Zittel's History of Geology, Nicholson's Palaeontology, Zittel's Palaeontology, Dana's Manual of Geology.

ADVANCED PETROGRAPHY (2)

A course will be given on the microscopic characters and classification of the igneous rocks and on the characters, origin and classification of the pre-Cambrian formation.

Special attention will be paid to the metamorphic series of the Dahlonega District, as exceptional opportunities are here offered for the study of the field relation of these rocks, and for the attacking those problems as to the origin of these rocks, which is now attracting the attention of geologists.

Lectures, twice a week, first term, Senior year.

Text-books and Books for reference: Rosenbusch-Iddings-Microscopical Physiography of Rock Forming Minerals. Levy and Lacroix-Les Mineraux des Roches. Zirkle-Lehrbuch der Petrographie. Vols. 1, 2, 3. Rosenbusch-Die Massige Gesteine. Elemente der Gesteinslehre. Van Hise- Correlation Papers, Archaean and Algonkian.

ECONOMIC GEOLOGY (3)

Students are required to take part in the excursions to various mines in the neighborhood of Dahlonega.

Lectures on the origin, modes of occurrence and uses of metals and their ores; materials used in the production of light and heat; minerals used in chemical manufacture; salt; brine; mineral waters; cements; refractory materials; abrasives; gems and precious stones.

Text Books and Books of Reference: Economic Geology of the United States, (H. Ries). Nature of Ore Deposits, Beck (Weed's Translation). Ore Deposits of the United States and Canada, (Kemp).

GEOLOGICAL SURVEYING (4)

This work comprises instruction along the general plan of geologic survey as carried on by the United States Geological Survey. Maps, folios, etc., are studied and practical field work takes place in the spring term.

Lectures, 3 times a week throughout the year, Senior year.

ROCKS AND ROCK WEATHERING (5)

This course is intended for students who are regular students in the School of Agriculture but who desire to obtain more special training along lines of soil and soil disintegration, etc.

The occurrence, composition, texture, structure, and alteration of rocks to soil will be considered in detail.

Books for Reference: Rocks, Rock Weathering and Soils. (Merrill).

FIELD CLASSES IN GEOLOGY (6)

The attention of students and others is called to the practical study of geology, mineralogy, and prospecting methods. Some of

the chief mineral localities of the Dahlonega District are visited each session and abundant opportunities are offered for collecting specimens and studying modes of occurrence of substances of economic value.

MINING SECTION.

Mining.—This, the culmination in many ways, of the course, is begun in the Junior year and continued to the end of the Senior year. As an invaluable aid to the young engineer frequent reference is made to the engineering periodicals in the library and at least half an hour daily must be done by the student to keep partly up with the mining camps of our country.

This course may be outlined as follows: Hoisting, under which will be considered, motive powers, ropes, gallows-frames, receptacles and safety appliances and pneumatic hoisting. Haulage; a discussion of the different systems of underground and surface transportation, including aerial ropeways. The drainage, ventilation and lighting of mines. Explosives, the theory of blasting, pointing and charging holes; methods of firing. Methods of breaking ground. Boring, diamond-drill work, and the percussion methods. Instruction is given in methods of shaft sinking, tunneling, mine timbering and exploitation, hydraulic mining, ore deposits, mine management and the employment of labor, mine examinations, sampling of ore bodies, estimation of the ore which can be measured, and the valuation of mining properties.

MINING.

Ore Deposits.—Conditions which produce and indicate them; their nature and origin; their affinity with certain conditions and rocks, and their classification. These lectures are supplementaary to the study of economic geology.

Prospecting.—Methods used in prospecting for lode, placer and coal mines. Location, laws and requirements of mineral prospects and their examination.

Mine Development.—Preliminary consideration of conditions affecting the probable success or failure of mining operations in any particular locality; fuel, water, food supplies, transprtation facilities and costs. Location of development workings. Choice of methods of approach. Blocking out the ore for measurement. Systematic methods of obtaining accurate samples of ore, "in place" and on the dump. Methods of estimating the value of the mine.

Boring.—Use of bore holes. Methods of boring. Boring by percussion. Methods by rods and by ropes. Boring tools, casing; recovery of lost tools, etc. Rotary boring. Earth augers. Diamond drills worked by haand and by machinery.

Excavation.—Tools for breaking ground. Hand tools; machine tools; steam excavators and maintenance. Theory and practice of blasting. Kinds and effects of explosives. Location of holes. Charging and firing holes, singly, simultaneously, and in series. Precautions in blasting. Substitutes for explosives.

Mining Methods.—Works for approach and underground communication. Shaft sinking. General principles. Protection of shaft mouth. Methods of sinking, ventilating, hoisting and unwatering during sinking. Winzes—location and methods of sinking and upraising. Tunnels, drifts, gangways, adits, slopes, contour levels. Advancing by single breast, and by benches. Trimming up and maintaining alignment.

Works for winning minerals. Stoping. Overhand and underhand stoping methods; their application and limitations. Cross-cut methods for wide veins. Contouring, and application of cross-cut methods to masses. Stripping. Methods suitable for soft ore bodies. Pillar and breast methods and their variations. Longwall advancing and retreating methods. Methods applicable to steeply inclined coal seams. Chutes; "ore mill"; loading bins, staging for overhand work; storage of "deads" or waste; gob walls; robbing of pillars, etc.

MINING II.

Placer Mining.—Includes work as carried on by individual miners; by use of hydraulic equipment and by dredging.

Supports.—Timber; kinds of timber used for supporting excavations; dry rot; processes used for the preservation of timber; modes of timbering levels, shafts, winzes, stopes and other excavations; masonry and iron or steel supports for similar purposes; special methods of support in the cases of watery and running strata; compressed air, freezing and other processes; saving of timber resulting from the adoption of caving and filling methods.

Transportation.—Underground. Wheelbarrows, their limit of efficiency. Cars—types, capacity, and maintenance. Tracks—gage; weight of rail; ballasted and unballasted and paved; turnouts; turn-tables and plates, cross-ties; sectional portable track. Haulage; man and animal power; rope traction by single, main and tail and endless rope, gravity roads; chain traction; underground locomotives; electric traction. Surface transportation; electric and endless cable traction; aerial wire rope tramways—single and double rope systems.

Hoisting.—Head frames, temporary and permanent. Winding drums and engines—types and efficiency. Koepe endless rope system of hoisting. Cables—kinds, efficiency, maintenance and

inspection. Buckets; kibbles; cages; skips. Safety appliances—to prevent fall of cage or skip; to prevent overwinding. Signalling.

Loading and Unloading Works.—Dumping frames or chairs; tipples; elevating and conveying machinery for handling ores and coal; terminal facilities.

Drainage.—Preventing access of surface water; adits or draining tunnels; siphons; removal of water by winding machinery; pumping plant; Cornish system; steam, compressed air and electrical pumping; bulkheads.

Ventilation.—Composition of air; gases met with underground; causes of the deterioration of air; dangers of dust; natural ventilation, its limitations; ventilation by furnaces; mechanical ventilators of various kinds; distribution of air through the workings; method of testing the purity of the air; fire damp detection; methods of measuring and recording the volume of air passing through the workings.

Lighting.—Candles; lamps fed by tallow, and by animal, vegetable or mineral oils; safety lamps, gas and electric lamps; expense of lighting.

Descent and Ascent.—Steps and slides; ladders; winding machinery; safety appliances; man-engine.

Principles of Employment.—Day wages; contract work by weight or measure; contracts in which men have an interest in the values of the minerals extracted; administration, organization and business management; mine accounts.

Legislation.—Special acts relating to mining properties and their operation.

Accidents.—In hoisting, traction, roof falls, blasting, sudden ingress of waters, explosion, mine fires; rescuing of miners under various conditions; fire extinguishment, etc.

Mine Examination and Valuation.

MINING (3)

(1.) Mine Surveying.—Under this head will be considered the theory of the determination of the true meridian by means of the various solar attachments and by direct observation of the sun and of a circumpolar star; a careful discussion of the principles and methods used in locating and patenting mining claims, and in underground surveying, will be given. The lectures delivered on these subjects enter into the detail with which they are connected and touch upon the Mining Law relating to surveyors and the patenting of mining property. The remaining time will be devoted to the outlines of the subject of geodetic surveying.

Lectures twice a week during the second term of the Sophomore year.

Field work, two weeks at close of Sophomore year. Text: Underhill's Mineral Land Surveying.

MINING (3)

Mine Examination and Report.—This is a course designed to bring to a culmination the methods taught all through the course showing the necessity of care and neatness which an engineer should pursue in his work. Outlines of geological and mining reports both of the prospect, and developed property are made and samples of the best reports in the world of mining are examined with a view of following the best methods. A short study of "wild cat" reports is made with the idea of showing what as an honorable and upright man, he must not do regardless of the pressure brought to bear, for in no line of work are there so many pitfalls, yet so many safe ways, and the young engineer can do no better than leave this course determined to put "principles first, decisions second."

Two hours per week, first term, Senior year. Text: Richard's Sampling and Testing of Ore in a Mine.

FORGING.

Forging I.—This course consists of simple exercises in bending, twisting and shaping iron at the forge.

Forging II.—This is a more advanced course and begins with the making of chains, nails, etc., and ends with a thorough knowledge of tone dressing and the tempering of various tools used in the arts.

TABULAR VIEW.

Mining Engineering and Metallurgy—First Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Mathematics (1, 2)	5		Mathematics (4) ..	5	
Plane Trigonometry (3)	5		Trigonometry (3)	5	
Gen. Chemistry (1)	5	4	Gen. Chemistry (1)	4	
Descrip't Geom. (1)	5		Qual. Analysis (2)	1	9
Mechan. Draw. (3)		10	English (6)	3	
Forging (1, 2) ..		8	Military..	5	
Military....		5			

Plane surveying one month at close of Freshman year.
Surveying (1).

TABULAR VIEW.

Mining Engineering and Metallurgy—Second Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Calculus (5).. ...	5		Calculus (6)	5	
Physics (5)	5		Physics (6)	5	
Cr't'llog & B.P. (1, 2)	2	4	Mineralogy (1, 4)	2	4
Gen. Geology (1)..	5		Struct. Geol. (1) ..	4	
Tech. Chem.	2		Quan. Analysis ...	3	4
Military....		5	Military....		5

TABULAR VIEW.

Mining Engineering and Metallurgy—Third Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Mining Eng. (1) . .	4		Mining Eng. (2) . .	4	
Mechanics (2) . .	4		Mechanics (3) . .	4	
Economic Geol. (3)	4		Economic Geol. (3)	4	
Met. of Fuels (2)	5		Met. of Lead and		
Iron and Steel (2)			Zinc (3)	5	
Assaying (1)	2	3	Military		5
Military		5			

TABULAR VIEW.

Mining Engineering and Metallurgy—Fourth Year.

1st Term.	Rect. Hrs.	Lab. Hrs.	2nd Term.	Rect. Hrs.	Lab. Hrs.
Mining Eng. Ore-			Mining Eng. (3, 4)	4	
Dressing (4) . .	4		Con. and Spec. (6)	3	
Geol. Sur. (4)	1	3	Geol. Sur. (4)	1	
Advanced Pet. (2)	2		Met. of Gold and		
Met. Lab. (7)		2	Silver (5)	5	
Met. of Copper (6)	4		Applied Geol. and		
Mine Ex. and			Reports (6) . .	2	4
Report (4)	2		Thesis		8
Hydraulics (5) . .	3				
Thesis		4	Military		5
Military		5			

PLACER WORK WITHIN THREE MILES OF THE SCHOOL OF MINES.

HYDRAULIC GIANT AT WORK

CONDENSED SCHEDULE OF COURSES

Figures in parentheses refer to number of course. Figures opposite refer to hours per week.

SUB-FRESHMAN B CLASS.—SAME FOR ALL COURSES.

English (1) 5	English (2) 5
History (1) 5	History (1) 5
Mathematics (1) 5	Science (1) 5
Latin (1) 5	Mathematics (2) 5
	Latin (1) 5

SUB-FRESHMAN A CLASS.

Same for A. B. and B. S. Degrees.

English (3) 5	English (4) 5
History (2) 5	History (2) 5
Mathematics (3) 5	Mathematics (4) 5
Phys. Geog (2) 5	Latin (3) 5
Latin (2) 5	Elemen. Phys. (3) 5

FRESHMAN A. B. COURSE.

Fall Term.	Spring Term.
English (5) 4	English (6) 4
Mathematics (5) 5	Mathematics (6) 5
Latin (4) 5	Latin (5) 5
History (3) 4	History (3) 4
French (1) 5	French (1) 5

FRESHMAN B. S. COURSE.

English (5) 4	English (6) 4
Mathematics (5) 5	Mathematics (6) 5
Latin (4) or Fr. (1) 5	Latin (5) or Fr (1) 5
History 4	History 4
Science (4) 5	Science (4) 5

SOPHOMORE A. B. COURSE.

English (7) 3	English (8) 3
Mathematics (7) 5	Mathematics (8) 5
Latin (6) 5	Latin (7) 5
French (3) 5	French (2) 5
History (4) 3	History (4) 3
or	
Science 5	

SOPHOMORE B. S. COURSE.

English (7) 3	English (8) 3
Latin (6) or Fr. (2) 5	Latin (7) or Fr. (2) 5
Mathematics (7) 5	Mathematics (8) 5
Science (5) 5	Science (6) 5
History (4)..... 3	History (4) 3

JUNIOR A. B. CLASS.

English (9) 3
Philosophy (6) 2
Mathematics (9) 5
Science (9) 5
Latin (8) or French. 3
French (3) 5

English (10) 3
Philosophy (7) 2
Mathematics (10) 5
Latin (9) or French. 3
French (3) 5
Science (7) 5

JUNIOR B. S. COURSE.

English (9) 3
Latin (8) 3
Mathematics (9) 5
Science (7) 5
History (5) 2
Philosophy (6) 2

English (10) 3
Philosophy (7) 2
Mathematics (10) 5
Latin (9) 3
History (5) 2
Science (7) 5

SENIOR A. B. CLASS.

English (11) 2
Philosophy (8) 3
Science (9) 3
Latin (10) 2
French (4) 3
Political Science (6)... 2

English (12) 2
Philosophy (9) 2
Science (10) 3
Latin (11) 2
Economics (7) 3
French (4) 3

SENIOR B. S. CLASS.

English (11) 2
Mathematics (11) 5
Science (9) 5
Political Science (6) 3
Latin (10) 2

English (12) 2
Mathematics (12) 5
Science (10) 5
Economics (7) 3
Latin (11) 2

SUB-FRESHMAN A CLASS, B. Ph. COURSE.

Fall Term.	Spring Term.
English (4) 5	English (5) 5
History (2) 5	History (2) 5
Mathematics (3) 5	Mathematics (4) 5
Phys. Geog. (2) 5	Latin (3) 5
Latin (2) 5	Elemen. Phys. (3) 5
Education (1) 2	Education (1) 2

FRESHMAN Ph. B. CLASS.

Fall Term.	Spring Term.
English (6) 4	English (7) 4
History (3) 4	History (3) 4
Mathematics (5) 5	Mathematics (6) 5
Latin (4) 5	Science (4) ..N... 5
Science (4) 5	Latin (5) 5
Education (2) 2	Education (3) 2

SOPHOMORE B. Ph.

Fall Term.		Spring Term.	
English (8)	3	English (9)	3
History (4)	3	History (4)	3
Science (5)	5	Mathematics (8)	5
Latin (6)	5	Education (5)	2
Education (4)	2	Science (6)	5
Mathematics (7)	5	Latin (7)	5

JUNIOR B. Ph.

Fall Term.		Spring Term.	
English (10)	3	English (12)	3
History (5)	2	History (5)	2
Mathematics (9)	5	Mathematics (10)	5
Science (7)	5	Science (7)	5
Philosophy (6)	2	Philosophy (7)	2
Latin (8)	3	Latin (9)	3

SENIOR B. Ph.

Fall Term.		Spring Term.	
English (13)	2	English (13)	2
Mathematics (4)	5	Mathematics (12)	5
Science (9)	5	Science (10)	5
Political Science (6)	3	Economics (7)	3
Latin (10)	2	Latin (11)	2
Philosophy (8)	2	Philosophy (9)	2

Military Organization

Frederick S. L. Price, Captain 8th U. S. Infantry, Commandant

Major..... Bruce Ray
1st Lieutenant and Battalion Adjutant.. . .T. O. Galloway
2nd Lieutenant and Battalion Quartermaster.F. C. Cavender
Battalion Sergeant Major.....R. H. Kent
Battalion Quartermaster Sergeant.....E. C. Vandiviere
Sergeant of Signal Corps..... Clark Ray

BAND.

Instructor, Edward Steiner, Chief Musician, 5th U.S. Infantry

2nd Lieutenant.. ..... J. W. Davidson.
Sergeant..... ..... T. M. Cavender.
Corporal.. ..... H. G. Wood.
Acting Drum Major..... J. S. Wood.

COMPANIES.

Company "A"	Rank	Company "B"
G. N. Bynum.....	Captain.....	A. A. Burch
M. C. Gay.....	1st Lieutenant.....	C. Burnett
H. V. Johnson.....	2nd Lieutenant.....	C. E. Power
H. Neal..	1st Sergeant.....	C. J. Brooksher
J. D. Black.....	Sergeant.....	V. W. Castleberry
C. W. Fraser.....	Sergeant.....	V. H. McKee
M. J. Reed.....	Sergeant.....	G. E. Rice
W. R. Tucker.....	Sergeant.....	H. E. Nelson
A. W. Meredith.....	Corporal.....	W. W.Foote
W. A. Roberts.....	Corporal.....	C. L. Christian
R. C. Gray.....	Corporal.....	J. B. Morris
T. S. Oliver.....	Corporal.....	J. Ellison
Vacancy.....	Corporal.....	H. S. Dumas
F. E. Miller.....	Musician.....	R. W. Cooksey

ARTILLERY DETACHMENT.

2nd Lieutenant.....E. D. Willingham
1st Sergeant.....C. B. Brown
Sergeant..... .....C. J. Hamilton
Sergeant..... .....C. Neal
Corporal.....R. F. Whelchel
Corporal.....G. L. Bynum

This department is at all times under the direct supervision of an officer of the United States Army. The discipline of the Institution is military in its nature and intelligent and earnest effort is made to constantly impress upon the student the importance of truthfulness, honesty and never ending attention to duty, those manly qualities which make for success in all walks of life. The Military Department works in harmonious conjunction with all other departments for the highest development of the student intellectually, physically and morally. Bad habits and idleness are tabooed, and conscientious, painstaking work is the order of every day.

The Band.

The College has been so fortunate as to secure the services of Chief Musician Edward Steiner, 5th U. S. Infantry, as instructor, and the Band, already one of the popular adjuncts of the Battalion of Cadets, will be rapidly brought to a high state of efficiency. Its members are given a thorough course of instruction in music.

Artillery and Signal Corps Detachments.

During the last year these features were added and are of great benefit in serving to give the cadet the widest possible range of military knowledge and instruction.

Barracks.

At a cost of twenty thousand dollars, the College has recently completed a new and commodious structure to be used as barracks for the cadets. This is a modern brick building, furnished with electric lights, steam heat, water works and bathing facilities. It is furnished throughout with suitable furniture, and every effort is made to contribute to the comfort of the cadet. Board can be had at the rate of $2.50 per week. Cadets are at all times under military discipline and control, and none are allowed to board or live outside of barracks except those living with parents or near relatives. Cadets outside of barracks must conform to the same rules and regulations as those living inside.

Advantages of Military Education.

The benefits which the student derives from military training are moral, mental and physical, and are as valuable to the citizen as to the soldier. Military instruction develops the student morally by instilling principles of patriotism, courage, obedience to law and respect for lawful authority, while military discipline enjoins correct habits of living. Military instruction aids greatly in the student's mental development by its constant demand for alertness in thought and action. By a well devised

system of military drill the most sluggish mind is soon trained to respond promptly to every command.

The physical advantages derived from daily military exercise in the open air, viz.: improved health, well developed physique, graceful carriage, manly address and neatness of appearance are too well known to deserve further comment. While the gymnasium and field sports aid, as a rule, in the physical development of the strong only, the military exercise extends this benefit to all.

We are making good soldiers, but we are making better citizens. In the present age the discipline of an army differs very little from the discipline of a great industrial corporation, and every attribute of the good soldier is appreciated and rewarded as promptly in the business world as in the army.

Instruction.

The course of instruction, theoretical and practical, in the Military Department, is prescribed by the War Department, and is made as complete and thorough as is consistent with the work to be performed in the Collegiate Departments. The same importance is attached to work in the Military Department as to that in any other Department.

Military duty is obligatory on all male students over fifteen years of age and under twenty-five and not laboring under physical disability; ordained preachers in charge of churches are also excused, and State teachers having three years' experience taking the special Normal Course. In case of disability, the fact must be certified to by the College Surgeon. But every student is liable to such military studies and modified military duty as he may be found capable of performing.

The War Department has furnished us a complete outfit of the most modern equipment including Magazine rifles of the Krag Jorgensen pattern and two 3.2 inch breech loading steel rifles. As a result of the last annual inspection of the Cadet Corps, made by an officer of the General Staff of the U. S. Army, the classification of the College was raised to that of a first class military institution and now ranks as one of the best in the United States.

Uniforms.

The uniform has been selected with a view to making it as inexpensive for the cadet as possible, and is neat and durable. An estimate of the cost of same, as given below, shows it to be far less expensive than other kinds of clothing. Arrangements have been made by which uniforms and equipment will be purchased under contract with a military furnishing house and fur-

nished to the cadet at net cost plus a slight increase to pay for expressage and cost of handling. All uniforms must be inspected as to fit and quality and accepted by the Commandant of Cadets.

Cadets will wear the uniform at all times during the school term, and deposit to cover entire cost of same must be made at the time of matriculation. It consists of the following:

Full Dress Uniform:—Dark blue cap, army pattern; dark blue blouse made of 18 oz. goods; white duck trousers and white belt and gloves.

Dress Uniform:—Cap and blouse and gloves same as full dress uniform; cadet grey trousers, made of 22 oz. goods.

Fatigue Uniform:—Campaign hat; chambray shirt; khaki blouse and trousers and canvass leggins. (This uniform subject to change.)

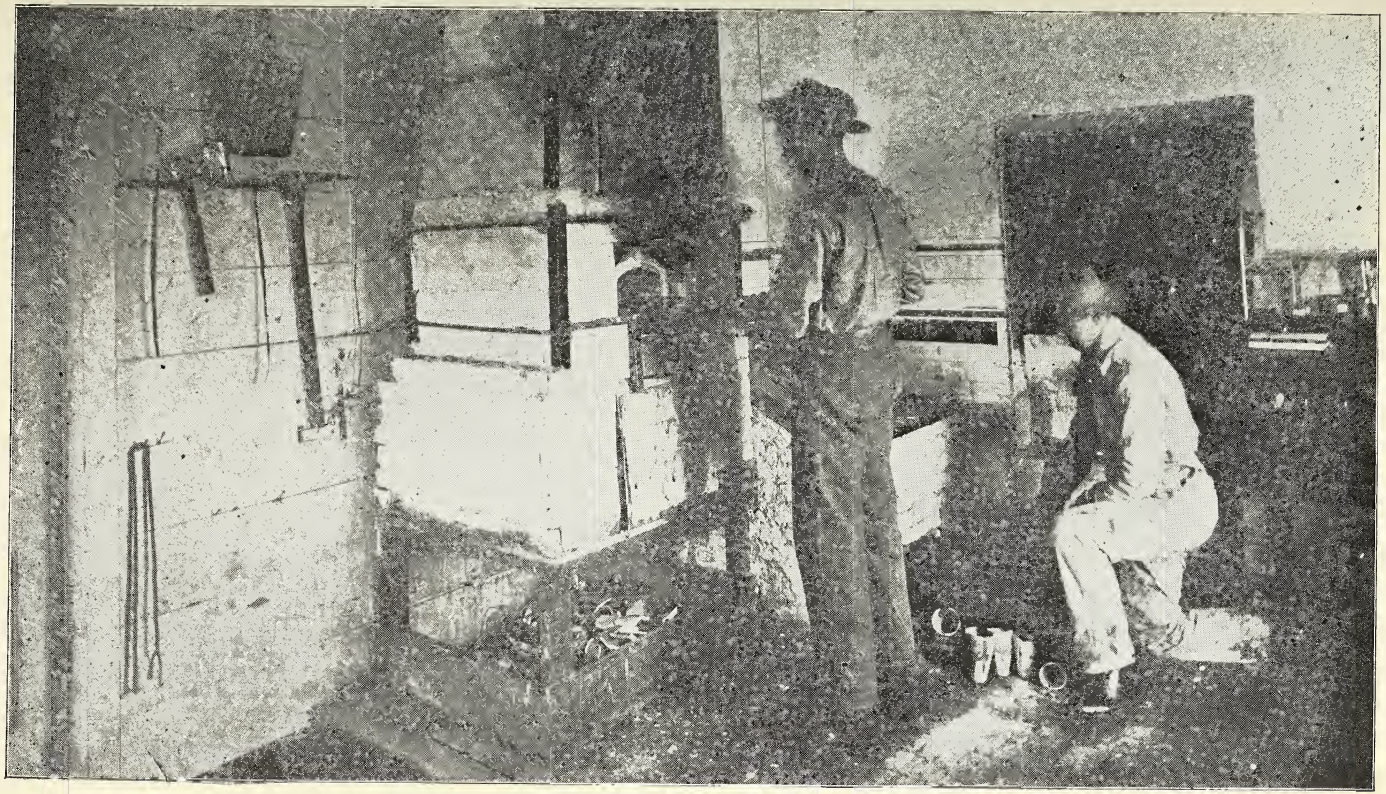
Expenses.

Dress Uniform	$ 15.53
2 Pairs white duck trousers for full dress	2.50
White belt and ½ doz. pairs white gloves	0.75
1 Campaign hat	1.36
½ doz. chambry shirts	2.00
1 Khaki uniform	4.36
1 Pair leggings	0.65
½ doz. standing collars	0.75
Total cost of uniform clothing for one year	$ 27.90

The dress uniform can be easily made to answer for two years use, and the only additional expense for uniform clothing would be the slight cost for extra fatigue uniform. To the above list of expenses should be added the cost of an annual encampment lasting about one week. The cost for that feature will probably not exceed five dollars per cadet.

ROLL OF STUDENTS 1907-'08—These marked 1, 2, 3, 4, 5, 6 belong respectively to Senior, Junior, Sophomore, Freshman, Sub-Freshman, A and B.

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Adams, W. G., 6	Henry	Ga.	Real Estate	Town
Akers, Wm., 4	Fulton	Ga.	Merchant	City
Anderson, Birdie, 5	Lumpkin	Ga.	Merchant	Town
Anderson, F. W., 5	Lumpkin	Ga.	Merchant	Town
Anderson, M. M., 6	Lumpkin	Ga.	Farmer	Country
Ash, B. L., 6	White	Ga.	Farmer	Country
Ash, H. M., 4	White	Ga.	Farmer	Country
Baker, H. L. ,4	Fulton	Ga.	City Official	City
Baker, J. P., Jr., 2	Troup	Ga.	Farmer	Country
Baker, R. E., 5	Lumpkin	Ga.	Lawyer	Town
Ball, J. F., 4	Butts	Ga.	Farmer	Country
Barnes, J. A., 5	Fulton	Ga.	County Official	City
Barnes, B. F., 5	Meriwether	Ga.	Farmer	Country
Bell, A. C.,5	Pickens	Ga.	Lumberman	Town
Bell, T. G., 4	Spalding	Ga.	Farmer	Country
Bennett, C. A., 4	Hall	Ga.	Farmer	Country
Bennett, Fannie, 5	Hall	Ga.	Farmer	Country
Bennett, Nora, 6	Hall	Ga.	Farmer	Country
Birch, G. S., Jr., 6	Bibb	Ga.	Farmer	Country
Black, J. D., 1	Dawson	Ga.	Farmer	Country
Bohannon, Hal. 5	Coweta	Ga.	Farmer	Country
Boyd, W. L., 6	Lumpkin	Ga.	Teacher	Town
Brock, R. G., 5	Anderson	S. C.	Merchant	Town
Brooksher, Carrie, 4	Lumpkin	Ga.	Liveryman	Town
Brooksher, C. J., 1	Lumpkin	Ga.	Liveryman	Town
Brooksher, P. F., 5	Lumpkin	Ga.	Liveryman	Town
Brown, C. B., 1	Camden	Ga.	Farmer	Country
Brown, E. H., 5	Berrien	Ga.	Naval Stores	Country
Brown, S. T., 5	Murray	Ga.	Doctor	Town
Brown, W. H., 4	Camden	Ga.	Farmer	Country



STUDENTS AT WORK IN MINING DEPARTMENT.

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Bruce, C. C., 4	Franklin	Ga.	Farmer	Town
Bruce, Pearl, 5	Lumpkin	Ga.	Merchant	Town
Bryant, H. E., 6	Hall	Ga.	Farmer	Country
Bulloch, S. T., 5	Meriwether	Ga.	Merchant	Town
Burch, A. A., 1	Laurens	Ga.	Naval Stores	Town
Burnett, Carl, 2	Lumpkin	Ga.	Farmer	Town
Bynum, G. L., 4	Rabun	Ga.	Farmer	Country
Bynum, G. N., 1	Rabun	Ga.	Farmer	Country
Calhoun, W. L., 6	Lumpkin	Ga.	Farmer	Country
Castleberry, V. W., 1	Lumpkin	Ga.	Hotel Proprietor	Town
Castleberry, Winnie, 6	Lumpkin	Ga	Hotel Proprietor	Town
Cavender, E. J., 2	Lumpkin	Ga.	Doctor	Town
Cavender, F. C., 2	Lumpkin	Ga.	Doctor	Town
Cavender, Nellie, 4	Lumpkin	Ga.	Doctor	Town
Cavender, T. M., 3	Lumpkin	Ga.	Doctor	Town
Christian, C. L., 4	Echols	Ga.	Lumberman	Town
Christian, W. P., 5	Echols	Ga.	R. R. Official	Town
Clodfelter, G. E., 5	Franklin	Ga.	Lumberman	Country
Clyatt, I. R., 5	McDuffie	Ga.	Lumberman	Town
Cobb, H. R., 6	Gilmer	Ga.	Merchant	Town
Cochran, T. P., 5	Lumpkin	Ga.	Electric Lighting	Town
Cochran, H. B., 5	Lumpkin	Ga.	Farmer	Country
Cooksey, R. W., 5	Fulton	Ga.	Jeweler	City
Cardle, T. H., 6	Floyd	Ga.	Doctor	Town
Corn, A. D., 6	Towns	Ga.	Farmer	Town
Cowart, H. C., 5	Milton	Ga.	Farmer	Country
Cox, C. H., 5	Pickens	Ga.	Blacksmith	Country
Cox, J. W., 5	Pickens	Ga.	Blacksmith	Country
Cox, M. L., Jr., 6	Gilmer	Ga.	Marble Dealer	Town
Craig, F. C., 5	Lumpkin	Ga.	Lawyer	Town
Craig, Mattie, 4	Lumpkin	Ga.	Lawyer	Town
Crawford, Henry, 4	Franklin	Ga.	Farmer	Town

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Creel, E. C., 5	Fulton	Ga.	Farmer	Town
Creel, J. E., 1	Fulton	Ga.	Farmer	Town
Culpepper, G. W., Jr., 6	Fulton	Ga.	Merchant	City
Daniel, Clyde, 3	Fulton	Ga.	Contractor	City
Darby, Arthur, 5	Cherokee	Ga.	Farmer	Town
Davant, W. M., Jr., 6	Chatham	Ga.	Cashier	City
Davidson, Jerry W., 2	Fulton	Ga.	Merchant	City
Davis, Mary, 6	Lumpkin	Ga.	Farmer	Country
Davis, R. C., 3	Troup	Ga.	Farmer	Country
Denam, E. T. 1	Putnam	Ga.	Farmer	Country
Dickey, E. T., 4	Cherokee	N. C.	Merchant	Town
Dobbs, J. H., 6	Fulton	Ga.	Merchant	City
Dorminy, E. H., 4	Ben Hill	Ga.	Farmer	Country
Dorminy, E. L., 4	Ben Hill	Ga.	Farmer	Country
Duggan, I. E., 4	Wilkinson	Ga.	Doctor	Country
Dumas, H. S., 3	Monroe	Ga.	Merchant	Town
Duncan, Addie, 4	Dawson	Ga.	Blacksmith	Town
Duncan, Fannie, 4	Dawson	Ga.	Blacksmith	Town
Duncan, G. C., 5	Dawson	Ga.	Blacksmith	Town
Duncan, Ora, 4	Dawson	Ga.	Blacksmith	Town
Edwards, Evan, 6	Charleston	S. C.	Doctor	City
Elliott, B. H., 5	Dawson	Ga.	Farmer	Country
Ellison, Julian, 3	Burke	Ga.	Farmer	Town
Evans, Lula, 3	Lumpkin	Ga.	County Official	Town
Evans, May, 4	Lumpkin	Ga.	County Official	Town
Fender, L. W., 6	Tift	Ga.	Naval Stores	Town
Fite, L. F., 4	Bartow	Ga.	State Official	Town
Floyd, M. H.,4	Chatham	Ga.	Merchant	Country
Foote, W. W.,4	Jackson	Ga.	Preacher	Town
Fraser, C. W., 1	Liberty	Ga.	County Official	Town
Fry, Marion, 4	Lumpkin	Ga.	Civil Engineer	Town
Fry, R. A., 4	Lowndes	Ga.	Manufacturer	Town

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Furlow, H. L., 5	Fulton	Ga.	State Official	City
Furr, H. M., 4	Banks	Ga.	Merchant	Country
Gaillard, Emily, 5	Lumpkin	Ga.	Teacher	Town
Galloway, T. O., 2	Elbert	Ga.	Farmer	Country
Gaskins, E. W., 5	Berrien	Ga.	Naval Stores	Town
Gauldin, W. J., 6	Brooks	Ga.	Doctor	Town
Gay, M. C., 1	Cherokee	Ga.	Farmer	Country
Gerkins, G. T., 6	New Hanover	N. C.	Merchant	City
Glenn, Lillian, 3	Lumpkin	Ga.	Teacher	Town
Glenn, Louise, 3	Lumpkin	Ga.	Teacher	Town
Gober, H. C., 5	Dawson	Ga.	Farmer	Country
Gray, R. C., 3	Hamilton	Tenn.	Merchant	City
Gregory, L. T., Jr., 5	Duval	Fla.	City Official	City
Gurley, Crawford, 2	Lumpkin	Ga.	Merchant	Town
Hamilton, C. J., 3	Gwinnett	Ga.	Merchant	Town
Hancock, B. L., 5	Clayton	Ga.	Farmer	Country
Harbour, T. P., 4	Floyd	Ga.	Merchant	Town
Harley, F. H., 5	Lowndes	Ga.	Merchant	Town
Hawkins, E. H., 5	Cherokee	Ga.	Doctor	Town
Head, Myrtie, 5	Lumpkin	Ga.	Farmer	Country
Head, Nellie, 4	Lumpkin	Ga.	Doctor	Town
Henderson, F. H., 4	Catoosa	Ga.	Farmer	Country
Hendrix, Vienna, 6	Union	Ga.	Farmer	Country
Holland, H. E., 5	Screven	Ga.	Telegrapher	Town
Holloway, S. C., 5	Fulton	Ga.	Manufacturer	Town
Holmes, F. C., 4	Meriwether	Ga.	Cattleman	Town
Hope, Frank, 6	Hall	Ga.	Liveryman	City
Hopkins, H. T., 6	Camden	Ga.	Farmer	Country
Howard, E. W., 6	Dawson	Ga.	Farmer	Country
Hudlow, Emma, 5	Lumpkin	Ga.	Seamstress	Town
Huff, J. G., 5	Lumpkin	Ga.	Lawyer	Town
Hunter, Vance, 6	Fulton	Ga.	Merchant	City

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Jackson, Cecil, 4	Lumpkin	Ga.	Merchant	Town
Jackson, Maude, 1	Lumpkin	Ga.	Merchant	Town
Jarrard, W. P., 6	Lumpkin	Ga.	Farmer	Country
Johnson, H. V., 1	Lumpkin	Ga.	Farmer	Country
Kellam, A. R., 5	Fulton	Ga.	City Official	City
Kent, R. H., 3	Jenkins	Ga.	Farmer	Country
Kent, R. L., 5	Jenkins	Ga.	Farmer	Country
King, R. L., 5	Camden	Ga.	Merchant	Country
Lanier, C. F., 5	Jenkins	Ga.	C. S. Commissioner	Town
Levender, Fort, 5	Floyd	Ga.	R. R. Official	City
MacArthur, P. A., 2	Effingham	Ga.	Naval Stores	Town
Manau, Hane, 6	Burke	Ga.	Tailor	Town
Manley, M. E., 4	Spalding	Ga.	Farmer	Country
Martin, R. J., 4	Hall	Ga.	Merchant	Town
Mathews, L. B. ,5	Pulaski	Ga.	Doctor	Town
Mathews, W. S., 4	Pulaski	Ga.	Doctor	Town
Mattison, Annie, 6	Anderson	S. C.	Merchant	Town
Mayes, Julian, S., 4	Houston	Ala.	Merchant	Town
Maynard, Z. L., 4	Monroe	Ga.	Merchant	Town
McCoy, D. C., 5	Polk	Tenn.	Real Estate	Town
McCready, L. D., 6	Los Angeles	Cal.		City
McDaniel, W. C., 4	Dougherty	Ga.	Merchant	City
McDonald, Armus, 5	Lumpkin	Ga.	Mechanic	Town
McDonald, Rosa, 3	Lumpkin	Ga.	Mechanic	Town
McElroy, E. W., 4	Gwinnett	Ga.	Merchant	Town
McGee, Alice, 5	Lumpkin	Ga.	Merchant	Town
McGee, Callie, 5	Lumpkin	Ga.	Merchant	Town
McGee, J. P., 4	Lumpkin	Ga.	Merchant	Town
McGuire, Fannie, 2	Lumpkin	Ga.	Merchant	Town
McHan, J. G., 6	Gilmer	Ga.	Merchant	Town
McKee, Annie, 5	Dawson	Ga.	Farmer	Country
McKee, Burt, 4	Dawson	Ga.	Merchant	Country

Student's Name	County	State	Occupation, Parents or Guardian	Residence
McKee, Ora, 5	Dawson	Ga.	Merchant	Country
McKee, V. H., 3	DeKalb	Ga.	Farmer	Country
McNeal, G. W., 6	Fulton	Ga.	Clerk	City
McNelley, C. D., 6	Fannin	Ga.	Merchant	Town
Meredith, A. W., 4	Ande son	S. C.	Farmer	Country
Miller, F. E., 5	Liberty	Ga.	Merchant	Town
Mitchell, H. G., 6	DeKalb	Ga.	Lawyer	Town
Moore, R. V., 2	Lumpkin	Ga.	Merchant	Town
Moore, W. L., 6	Tift	Ga.	Stock Dealer	Town
Morris, J. B., 4	Hart	Ga.	Farmer	Country
Neal, Cecil, 3	Hall	Ga.	Doctor	City
Neal, Harry, 1	Harris	Ga.	Merchant	Town
Nelson, H. E., 4	Union	Ga.	Farmer	Country
Nix, N. A., 6	White	Ga.	Preacher	Country
Nunnally, W. W., 4	Walton	Ga.	Farmer	Country
Oliver, T. S., 3	Chatham	Ga.	Contractor	City
Orr, G. J., 4	Chatham	Ga.	Teacher	City
Orr, J. E., 6	Dawson	Ga.	Farmer	Country
Palmour, Fred, 6	White	Ga.	Farmer	Country
Parks, E. C., 6	Tift	Ga.	Farmer	Town
Parks, W. B., 5	Fulton	Ga.	Journalist	City
Phillips, B. H., 3	Fannin	Ga.	Merchant	Country
Ponder, J. G., 1	Morgan	Ga.	Oil Mill Man.	Town
Porter, P. C., 4	Floyd	Ga.	Merchant	Town
Power, C. E., 2	Dooley	Ga.	Teacher	Town
Quinn, E. B., 4	Bartow	Ga.	Lumberman	Town
Ray, Bruce, 1	Fannin	Ga.	Farmer	Country
Ray, Clark, 3	Fannin	Ga.	Farmer	Country
Reid, M. J., 4	Lincoln	Ga.	Farmer	Country
Rice, G. E., 1	Forsyth	Ga.	Farmer	Country
Rice, Pearl, 4	Lumpkin	Ga.	Miner	Town
Ricketts, Maud, 5	Lumpkin	Ga.	Mechanic	Town

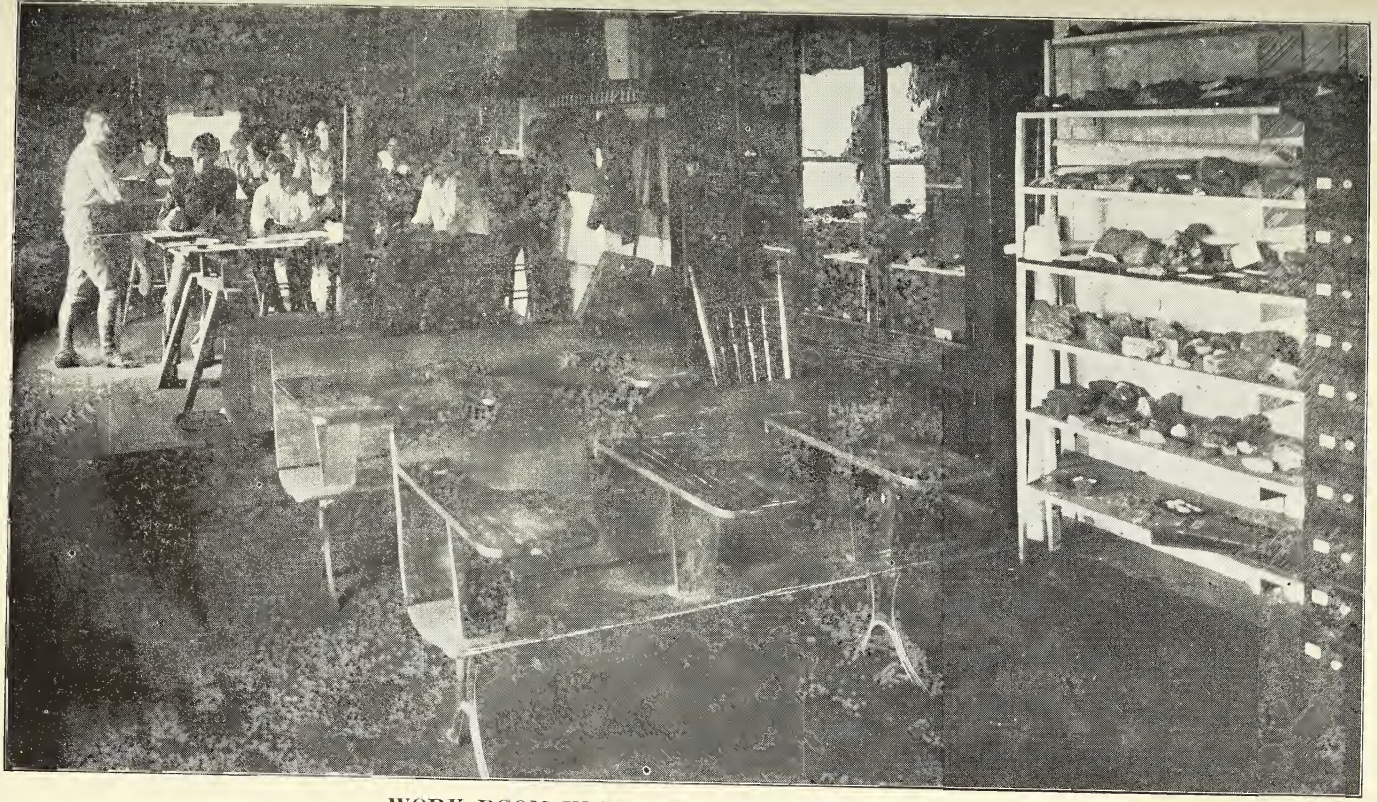
Student's Name	County	State	Occupation, Parents or Guardian	Residence
Roberts, W. A., Jr., 4	Hale	Ala.	Merchant	Town
Rose, D. P., Jr., 4	Camden	Ga.	Lawyer	Country
Russell, Ruth, 5	Lumpkin	Ga.	Seamstress	Town
Sargent, A. T., 6	Lumpkin	Ga.	Mechanic	Town
Sargent, J. B., 5	Lumpkin	Ga.	Farmer	Town
Seay, C. P., 5	Taylor	Ga.	Farmer	Country
Shahan, Henry, 4	Walker	Ga.	Merchant	Country
Shed, Lizzie, 1	Jackson	Ga.	Preacher	Country
Shipp, Mollie. 6	Union	Ga.	Farmer	Country
Simpson, C., 6	Hall	Ga.	Farmer	Country
Sims, W. A., 5	Fulton	Ga.	Merchant	City
Slack, H. L., 6	Tift	Ga.	Merchant	Town
Smith, C. H., 5	Gilmer	Ga.	Farmer	Country
Smith, E. W., 5	Forsyth	Ga.	Farmer	Country
Smith, L. W., 6	Hall	Ga.	Farmer	Country
Stafford, J. D., 6	Berrien	Ga.	Naval Stores	Town
Stanford, T. L., 6	Worth	Ga.	Farmer	Town
Stanton, Frances, 3	Lumpkin	Ga.	Merchant	Town
Stanton, Mary, 5	Lumpkin	Ga.	Merchant	Town
Stevens, R. L., 4	Fulton	Ga.	State Official	City
Stewart, H. E., 6	Polk	Tenn.	Liveryman	Town
Strickland, S. J., 6	Hall	Ga.	Farmer	Country
Stringer, R. E., 6	Cobb	Ga.	Merchant	Town
Tate, T. F., 5	Lumpkin	Ga.	Merchant	Town
Thomas, J. W., 5	Fulton	Ga.	U. S. Official	City
Thomas, May, 4	Lumpkin	Ga.	Marketman	Town
Timmons, W. W., Jr., 4	Tift	Ga.	Naval Stores	Town
Tomlinson, C. H., 6	DeKalb	Ga.	Contractor	Town
Townsend, E. M., 5	Whitfield	Ga.	Merchant	Town
Tucker, W. R., 4	Dawson	Ga.	Farmer	Town
Turner, B. D., 4	Glynn	Ga.	City Official	City
Vandiviere, E. C., 3	Dawson	Ga.	Lawyer	Town

Student's Name	County	State	Occupation, Parents or Guardian	Residence
Vandiviere, L. A., 6	Dawson	Ga.	Lawyer	Town
Vinton, L. M., 4	Berrien	Ga.	Merchant	Town
Walden, J. W., 5	Lumpkin	Ga.	Farmer	Country
Walace, J. M., 5	Fayette	Ga.	Farmer	Country
Wallace, J. P., 6	Morgan	Ga.	Banker	Town
Walace, M. C., 6	Morgan	Ga.	Merchant	Town
Wallace, R. W., 4	Morgan	Ga.	Banker	Town
Waters, E. A., 5	Dawson	Ga.	Farmer	Country
Waters, Stella, 5	Dawson	Ga.	Farmer	Country
Watts, J. C., Jr., 5	Floyd	Ga.	Doctor	City
Weeks, J. W., 5	Fannin	Ga.	Farmer	Country
Weldon, A. J., Jr., 6	Spalding	Ga.	Farmer	Country
West, Ollie, 5	Gilmer	Ga.	Farmer	Country
West, W. G., Jr., 5	Gilmer	Ga.	Farmer	Country
Whelchel, H. E., 2	Hall	Ga.	Farmer	Country
Whelchel, R. F., 4	Hall	Ga.	Farmer	Country
White, Guy, 4	Henry	Ga.	Farmer	Country
Wilkinson, H. E., 5	Fulton	Ga.	County Offi cial	City
Williams, H. L., 6	Richmond	Ga.	R. R. Conductor	Town
Willingham, E. D., 2	Fulton	Ga.	Merchant	City
Wilson, W. S., 6	Fulton	Ga.	R. R. Contractor	City
Wimpy, Berta, 5	Lumpkin	Ga.	Farmer	Town
Wimpy, D. C., 6	Lumpkin	Ga.	Farmer	Town
Witt, J. A., 5	Polk	Tenn.	Merchant	Town
Wood, H. G., 4	Pickens	Ga.	Druggist	Country
Wood, J. S., 4	Hall	Ga.	Farmer	Country
Woody, J. W., 5	Lumpkin	Ga.	Farmer	City
Yancy, J. L., 6	Calhoun	Ala.	Blacksmith	Town
Young, H. H., 5	Washington	Fla.	Naval Stores	Town

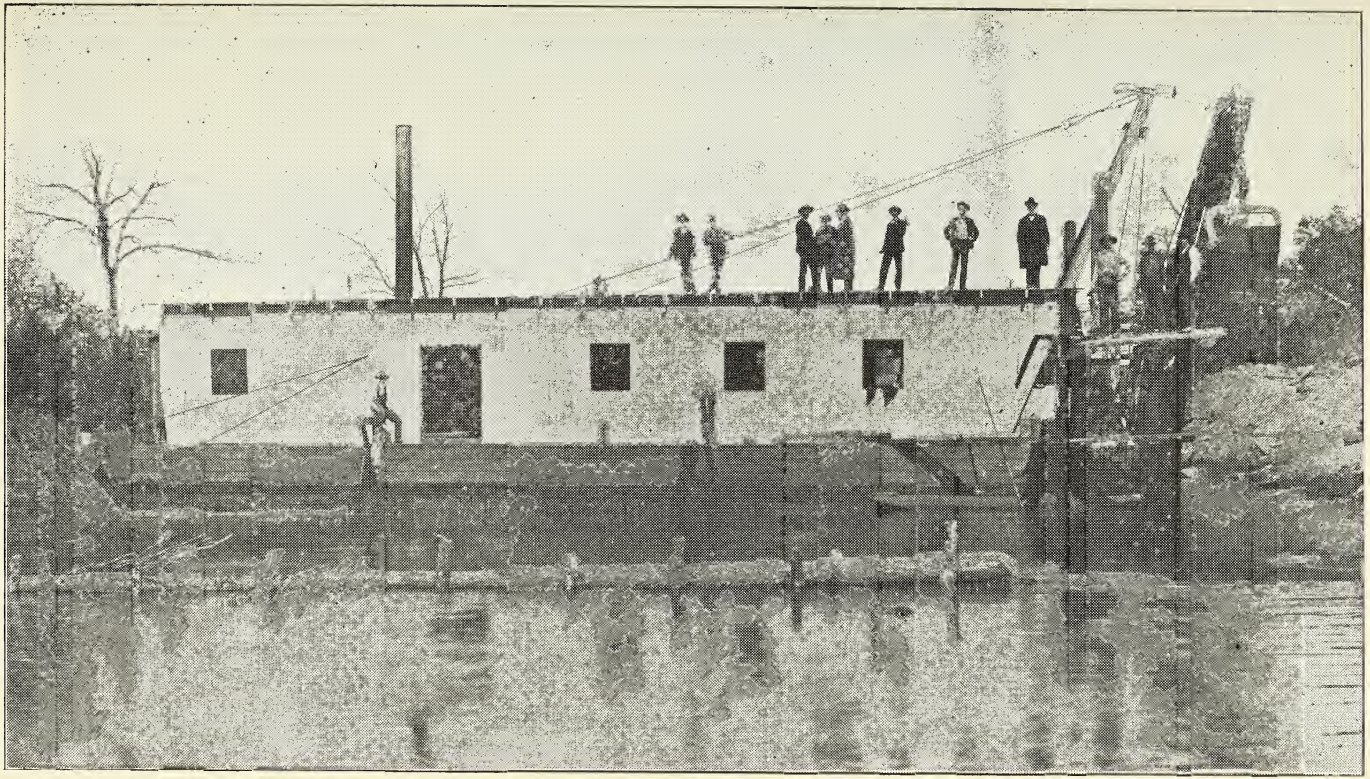
*Deceased.

SUMMARY.

Total Enrollment	252
States represennted	7
Counties of Georgia represented	66
Farmers children represented	87
Merchants children represented	56
Lawyers children represented	8
Doctors children represented	14
Teachers children represented	6
Other avocations represented	81
Those living in the country	109
Those living in towns	117
Those living in cities	29
Total number of male students	210
Total number of female students	42



WORK ROOM IN MINING DEPARTMENT.



DAHLONEGA G. M. & M. CO. DREDGE ON CHESTATEE RIVER, BRIAR PATCH MINE.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Bates, M. G.	Atlanta, Tex.	Teacher	1875-1878	Murray Co.	1878	Was Supt. of School at Ft. Worth
Coffee, R. N.	Texas.	Lawyer	1875-1878	Gordon Co.	1878	
Collier, G. W.	Atlanta, Ga.	Merchant	1875-1878	Fulton Co.	1878	
Crusselle, W. F.	Atlanta, Ga.	Journalist	1875-1878	Fulton Co.	1878	Prof. in N. G. A. C. several years.
Earl, E. B.*		Teacher	1875-1878	Floyd Co.	1878	
Gray, J. R.	Atlanta, Ga.	Journalist Lawyer	1876-1878	Bartow Co.	1878	Editor of Atlanta Journal.
Harris, W. D.	Fort Worth, Tex.	Lawyer	1875-1878	Murray Co.	1878	Judge.
Lewis, Miss Willie* (Mrs. Littlefield)			1873-1878	Lumpkin Co.	1878	
Starr, O. N.	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator.
Starr, Trammell*	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator.
Abernathy, J. H.		Teacher Merchant	1878-1879		1879	
Henley, J. W.	Jasper county.	Lawyer	1875-1879	Murray Co.	1879	County School Commissioner.
Chapman, Miss Lizzie	Cuba, Ga.	Teacher	1874-1879	Lumpkin Co.	1879	
Gaillard, J. J.	Macon, Ga.	Civil Eng.	1873-1880	Spalding Co.	1889	Chief Engineer G. S. & F. R. R.
Lewis, Mary R. (Mrs. W. F. Crusselle)	Atlanta, Ga.		1873-1880	Lumpkin Co.	1880	
Wilson, H. E.	Savannah, Ga.	Lawyer	1877-1880	Effingham Co.	1880	(high schools.
Wilson, W. S.	Savannah, Ga.	Physician	1877-1880	Effingham Co.	1880	Prof. in N. G. A. C. and several
Watt, C. E.	Camilla, Ga.	Farmer	1877-1881	Forest, Ala.	1881	Won Stevens' Medal in Military.
Power, C. G.	Culloden, Ga.	Teacher	1878-1881	Cobb Co.	1881	Stevens' Medal for best record.
Davis, Sallie G.*			1873-1881	Lumpkin Co.	1881	
McDaniel, Mrs. Fannie			1880-1881	Carroll Co.	1881	
Hutchins, Mrs. Lizzie	Early, S. C.		1873-1881	Lumpkin Co.	1881	
Henderson, Calvin	Ark.	Teacher	1880-1882	Paulding Co.	1882	
Stow, M. N.	Dawsonville, Ga.	Physician	1876-1882	Lumpkin Co.	1882	Mayor of Dawsonville, Ga.
Peeples, L. C.	Dawson county.		1880-1882	Terrell Co.	1882	
Mann, W. E.	Ringgold, Ga.	Lawyer	1880-1882	Floyd Co.	1882	Senator.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Napier, G. M.	Monroe, Ga.	Lawyer	1880-1882	Walker Co.	1882	Journalist; Judge Advocate General
Chapman, F. T.*			1874-1883	Lumpkin Co.	1883	and Orator.
Fricks, N. A.			1880-1883	Franklin Co.	1883	(tatives. Once Member House of Represen-
Jones, W. F.	Elberton, Ga.	Teacher	1881-1883	Troup Co.	1883	Lt. Col. in Georgia Militia.
Key, W. H.	Alabama.	Lawyer	1880-1883	Banks Co.	1883	
Stanton, M. W.	El Paso, Texas.	Lawyer	1881-1883	Gordon Co.	1883	
Willis, G. T.*		Clerk	1880-1883	Jackson Co.	1883	
Boyd, J. W.	Dahlonega, Ga.	Teacher	1880-1884	Dahlonega, Ga.	1884	Prof. Young Harris. Now Prof. of
Coleman, E. W.	Canton, Ga.	Lawyer	1880-1884	Talking Rock, Ga.	1884	Math. at N. G. A. C.
Coleman, W. S.	Cedartown, Ga.	Journalist	1880-1884	Talking Rock, Ga.	1884	Ed. Cedartown Standard and Pres. Ga.
Martin, W. C.	Dalton, Ga.	Lawyer	1881-1884	Spring Place, Ga.	1884	Weekly Press Asso.
Wardlaw, J. A.	Chattanooga, Tenn.	Merchant	1882-1884	Chattanooga, Tenn.	1884	
Wills, A. J.	Rome, Ga.	Dentist	1880-1884	Jefferson Co.	1884	
Wills, Miss Mamie (Mrs. John Ross)			1880-1884	Jefferson Co.	1884	
Cavendar, J. M.	Chattanooga, Tenn.		1883-1885	Ringgold, Ga.	1885	
Crusselle, G. W.			1884-1885	Atlanta, Ga.	1885	
Lively, M. L.	Atlanta, Ga.		1882-1885	Norcross, Ga.	1885	
Cartledge, S. J.	Anderson, S. C.	Preacher	1884-1885	Bold Springs, Ga.		Pastor Presbyt'rn Church, Anderson,
Canning, N. G.		Lawyer	1883-1886	Flowery Branch, Ga.	1886	S. C.
Cato, E. T.		Teacher	1883-1886	Glenville, Ala.	1886	
Cato, J. C.			1883-1886	Glenville, Ala.	1886	
Fisher, L. O.	Ozark, Ala.	Lawyer	1881-1886	Alpharetta, Ga.	1886	
Standard, C. T.			1882-1886	Marietta, Ga.	1886	
Stribbling, J. P.		Farmer	1883-1886	Richland, S. C.	1886	
Craig, D. S.	Atlanta, Ga.	Lawyer	1886-1887	Walhalla, S. C.	1887	
Nesbit, K. A.	Fairburn, Ga.	Lawyer	1882-1887	Fairburn, Ga.	1887	
Phillips, E. L.	Griffin, Ga.	Farmer	1884-1887	Griffin, Ga.	1887	
Phillips, J. H.	Milner, Ga.	Physician	1884-1887	Griffin, Ga.	1887	
Fletcher, H. M.	Birmingham, Ala.	Lawyer	1884-1888	Jackson, Ga.	1888	
Morris, J. H.		Teacher	1884-1888	Griffin, Ga.	1888	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Sheldon, W. A.	Westminster, S. C.	Physician	1886-1888	Westminster, S. C.	1888	
Swanson, W. T.		Teacher	-1888	Blairsville, Ga.	1888	
Woodward, J. C.	College Park, Ga.	Teacher	1884-1888	Jackson, Ga.	1888	President Georgia Military Academy.
Mincy, W. H.	Woodstock, Ga.	Teacher	1884-1889	Two Run, Ga.	1889	Degree A. M.
Shelton, W. H.	Athens, Ga.	Broker	1885-1889	Jay, Ga.	1889	Maj. U. S. A. V. in Spanish War.
Stribling, T. M.	Perry, Mo.	Preacher	1886-1889	Richland, S. C.	1889	Lt. U. S. V. Spanish-Am. War.
Almand, E. H.	Nashville, Tenn.	Merchant	1886-1889	Conyers, Ga.	1889	
Chamblee, W. R.*		Lawyer	1888-1890	Pendergrass, Ga.	1890	
Vickery, E. B.	Dahlonega, Ga.	Teacher	1887-1890	Hartwell, Ga.	1890	Prof. in N. G. A. C. since 1890.
Lawton, Mrs. E. P., nee Miss M. L. Basinger			1887-1891	Dahlonega, Ga.	1891	Minister, Tex., Con. M. E. Church. Wife Capt. E. P. Lawton, U. S. A.
Gilbert, T. H.		Preacher	1886-1891	Pendergrass, Ga.	1891	
Almand, J. M.	Decatur, Ga.	Merchant	1887-1891	Conyers, Ga.	1891	
Carmichael, H. B.			1887-1891	Jackson, Ga.	1891	
Clark, J. B.	Eastman, Ga.	Physician	1887-1891	Eastman, Ga.	1891	
Head, M. H.	Dahlonega, Ga.	Physician	1887-1891	Dahlonega, Ga.	1891	
Harris, B. C.	Savannah, Ga.	Accountant	1887-1891	Dahlonega, Ga.	1891	
McMurry, R. A.	West End, Ga.	Dairyman	1887-1891	Gainesville, Ga.	1891	
Meaders, A. W.	Watkinsville, Ga.	Farmer	1887-1891	Gainesville, Ga.	1891	
Phillips, T, J.	Griffin, Ga.	Physician	1887-1891	Griffin, Ga.	1891	
Dendy, W. E.		Teacher	1887-1891	Richland, Ga.	1891	
Fouche, J. S.	Rome, Ga.	Lawyer	1887-1891	Rome, Ga.	1891	
Whelchel, Miss Louise	Dahlonega, Ga.	Teacher	1887-1891	Dahlonega, Ga.	1891	C. S. C. Franklin county.
Worley, Miss Anna Lee	Dahlonega, Ga.		1887-1891	Dahlonega, Ga.	1891	Librarian N. G. A. College.
	Carnesville, Ga.	Teacher	1889-1892	Mt. Airy, Ga.	1892	
Allen, J. P. B.		Teacher	1887-1892	Dahlonega, Ga.	1892	Teacher in Savannah.
Ryals, Jas. W.	Savannah, Ga.	Merchant	1889-1892	Savannah, Ga.	1892	
Wood, Geo. B.	Savannah, Ga.	Merchant	1888-1892	Bawsonville, Ga.	1892	
Johnson, Miss Emily	Texarkana, Tex.		1891-1892	Marietta, Ga.	1892	
McMullan, W. B.	Hartwell, Ga.	Farmer	1890-1893	Hartwell, Ga.	1893	
Pitner, J. M.	Thompson, Ga.	Teacher	1889-1893	Two Run, Ga.	1894	C. S. C. Rockdale county.

Name	Present Address	Occupation	College	Residence When in College	Grad.	Remarks
Steele, W. H.	Pickens, S. C.	Doctor	1889-1893	Stewart, S. C.	1894	
Hammock, A. D.	Conyers, Ga.	Teacher	1892-1895	Conyers, Ga.	1895	
Kimsey, W. L.*		Teacher	1895-1895	Clarkesville, Ga.	1895	
Alexander, D. H.		U. S. Mail Service	1891-1895	Salem, S. C.	1895	
Roberts, Miss Alice*		Teacher	1890-1895	Dahlonega, Ga.	1895	
Seabolt, T. W.	Pleasant Retreat,	Merchant	1891-1895	Loudsville, Ga.	1895	
Petit, Geo. F.			1893-1895	Cartecay, Ga.	1895	
Bryson, R. M.	Dahlonega, Ga.	Lawyer	1892-189k	Rockpile, Ga.	1895	
Kytle, J. W.	Douglasville, Ga.	Preacher	1894-1896	Center Side, Ga.	1896	
Meaders, F. M.	Gainesville, Ga.	Merchant	1892-1896	Dahlonega, Ga.	1896	U. S. Inspector.
Nix, R. C.	Apple Valley, Ga.	Farmer	1893-1896	Apple Valley, Ga.	1896	
Palmour, Oscar	Atlanta, Ga.	Ins. Agt.	1892-1896	Dougherty, Ga.	1896	
Sinquefield, W. R.	Louisville, Ga.	Farmer	1893-1896	Louisville, Ga.	1896	
Palmer, W. P.	Clarksville, Ga.	Lawyer	1892-1897	Clarksville, Ga.	1897	
Roundtree, Mrs. A. M. nee Miss Rogers	Adrian, Ga.		1894-1898	Adrian, Ga.	1898	Wife of Dr. A. M. Rountree.
Parks, B. G.	Gainesville, Ga.	Lawyer	1895-1899	Murrayville, Ga.	1899	
Johnson, R. L.		Teacher	1897-1899	Grangerville, Ga.	1899	
Clark, E. M.		Bookkpr.	1898-1899	Louisville, Ga.	1899	
Cain, A. W.	Grapeland, Tex.	Teacher	1896-1900	Porter Springs, Ga.	1900	
Gurley, H. D., Jr.	Waycross, Ga.	Supt. Telph.	1896-1900	Dahlonega, Ga.	1900	
McClesky, F. H.	Atlanta, Ga.		1898-1900	Blackwells', Ga.	1900	
Peacock, H. L.	Rhine, Ga.	Lumberman	1896-1900	Cochran, Ga.	1900	
Smith, W. M.	Atlanta, Ga.	Lawyer	1896-1900	Augusta, Ga.	1900	
Harris, C. L.	Lavonia, Ga.	Teacher	1897-1900	Silver City, Ga.	1900	
Gaillard, Miss Fannie	Dahlonega, Ga.	Teacher	1896-1900	Dahlonega, Ga.	1900	
McKibben, T. C.			1897-1900	Patillo, Ga.	1900	
Blount, R. M.			1898-1900	Waynesboro, Ga.	1900	
Crisson, Maggie	Dahlonega, Ga.	Nurse	1896-1900	Dahlonega, Ga.	1900	
McKee, W. J.			1898-1900	McKee, Ga.	1900	

Name	Present Address	Occupation	Year in	Residence When in College	Rect.	Remarks
Sosebee, R. L.*			1898-1900	Nelson, Ga.	1900	
West, J. W.	College Park, Ga.	Teacher	1897-1901	Vera, Ga.	1901	Prof. G. M. A., College Park.
Harris, S. A.	U. S. Army.	Soldier	1897-1901	Silver City, Ga.	1901	
Whelcel, A. J.		Physician	1897-1901	Dougherty, Ga.	1901	
Shultz, Carl	Wahoo, Ga.	Teacher	1897-1901	Royston, Ga.	1901	
Sosebee, L. P.		Civil Eng.	1898-1901	Nelson, Ga.	1901	
McGrath, M. H.			1899-1901	Nelson, Ga.	1901	
Scott, W. W.	Atlanta, Ga.	Clerk	1899-1901	Canton, Ga.	1901	
Farrar, W. T.			1899-1901	Ingleside, Ga.	1901	
Byers, J. H.	Price, Ga.	Farmer	1898-1902	Price, Ga.	1902	
Horton, Paul Jones	Winder, Ga.	U. S. Cadet.	1899-1902	Winder, Ga.	1902	Cadet at West Point.
Byers, Augusta	Price, Ga.	Ex. Messngr	1898-1902	Price, Ga.	1902	
Gaillard, Miss Marie	Ellijay, Ga.	Teacher	1898-1902	Dahlonega, Ga.	1902	
Barnes, J. C.	Dahlonega, Ga.	Teacher	1899-1902	Stinson, Ga.	1902	Prof. N. G. A. College.
McKee, Miss Eva	McKee, Ga.	Teacher	1898-1902	McKee, Ga.	1902	Student Columbia Univ., N. Y.
Whitehead, A. C. Mrs.	University, N. C.	Teacher	1899-1902	Eastman, Ga.	1902	Wife of A. C. Whitehead.
Scales, J. H.		Cashier	1901-1902	Suwanee, Ga.	1902	
Byers, J. R.	Price, Ga.	Farmer	1899-1903	Price, Ga.	1903	
Grant, N. W.	U. S. Navy.	Soldier	1899-1903	Clarksville, Ga.	1903	
Berry, J. R.	Jefferson, Ga.	Teacher	1900-1903	Griffin, Ga.	1903	
Byers, Miss Cora	Price, Ga.	Teacher	1899-1903	Price, Ga.	1903	
Elkan, Louis	Brunswick, Ga.	Merchant	1900-1903	Brunswick, Ga.	1903	
Maddox, C. E.			1900-1903	Freemansville, Ga.	1903	
Gaillard, Miss Sallie	Dahlonega, Ga.	Teacher	1900-1904	Dahlonega, Ga.	1904	Teacher Dahlonega Schools.
Fortson, L. G.		Teacher	1901-1904	Elberton, Ga.	1904	
Henley, J. R.	U. S. Army.	Soldier	1900-1904	Jasper, Ga.	1904	Philippine Service.
Gortatowsky, J. D.	Macon, Ga.	Journalist	1900-1904	Albany, Ga.	1904	
Broach, J. F.		Teacher	1900-1904	Compton, Ga.	1904	
Stewart, J. C.	Kingman, Ariz.	Teacher	1900-1904	Ludville, Ga.	1904	
Bowen, Urban	Dip, Ga.	Teacher	1900-1904	Tesnatee, Ga.	1904	
Chappel, A. H.	Midriver, Ga.	Farmer	1901-1904	Chappel, Ga.	1904	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Drew, W. D.		Bookpr.	1901-1904	Midville, Ga.	1904	
Holden, Lester*			1901-1904	Johnston, Ga	1904	
Steed, O. W.		Business	1900-1904	Spring Place, Ga.	1904	
Jelks, G. J.	Atlanta, Ga.		1902-1904	Hawkinsville, Ga.	1904	
Peacock, W. H.	Cochran, Ga.	Farmer	1902-1904	Cochran, Ga.	1904	
Rutherford, Robert	Culloden, Ga.	Freight Agt.	1901-1904	Culloden, Ga.	1904	
Byers, Rufus	Manila, P. I.	Soldier	1899-1905	Price, Ga.	1905	3rd Lieut. Constabulary.
Whelchel, Miss Ruth	Price, Ga.	Teacher	1900-1905	Price, Ga.	1905	
Wilson, F. C.	Savannah, Ga.	Dentist	1881-1885	Savannah, Ga.	1905	
Lunsford, W. P.	Lavonia, Ga.	Teacher	1901-1904	Suches, Ga.	1905	
Gay, B. F.	Sharptop, Ga.	Teacher	1902-1905	Sharptop, Ga.	1905	
Smith, R. E. L.	Greely, Ga.	Teacher	1901-1905	Greely, Ga.	1905	
Ash, W. L.	Dahlonega, Ga.	Teacher	1901-1905	Suches, Ga.	1905	
Breedlove, W. M.	Monroe, Ga.	Merchant	1903-1905	Monroe, Ga.	1905	
Castleberry, L. R.	College Park, Ga.	Bookpr.	1903-1905	Dahlonega, Ga.	1905	
Harris, C. M.	Dalton, Ga.	Farmer	1903-1905	Dalton, Ga.	1905	
Matthews, W. O.	Decatur, Ga.	Farmer	1903-1905	Decatur, Ga.	1905	
McKee, H. D.	McKee, Ga.	Farmer	1902-1905	McKee, Ga.	1905	
Aycock, J. T.	Monroe, Ga.	Farmer	1902-1905	Monroe, Ga.	1905	
Patterson, E. P.	Milner, Ga.	Gov. Official	1901-1905	Milner, Ga.	1905	
Barnes, G. M.	Riverdale, Ga.	Teacher	1902-1906	Stinson, Ga.	1906	
Gailard, W. S.	Blackshear, Ga.	Teacher	1900-1906	Dahlonega, Ga.	1906	
Jackson, W. L.		Telephone S	1901-1906	Stockbridge, Ga.	1906	
McKibben, G. C.	Hephzibah, Ga.	Teacher	1904-1906	Elgin, Ga.	1906	
Davidson, E. W.	Atlanta, Ga.	Merchant	1903-1906	Atlanta, Ga.	1906	
Broach, W. E.	Compton, Ga.	Teacher	1903-1906	Compton, Ga.	1906	
Phillips, J. E.	Pierceville, Ga.	Lumberman	1902-1906	Pierceville, Ga.	1906	
Burnett, C. D.	Tennille, Ga.	Bookpr.	1902-1906	Tennille, Ga.	1906	
Moore, R. V.	Dahlonega, Ga.	Elec. Engine	1903-1906	Dahlonega, Ga.	1906	
Knox, J. T.	Manila, P. I.	Const. Serv.	1902-1906	Westminster, S. C.	1906	
Simmons, Y. J.	Gainesville, Ga.	Teacher	1904-1906	Gainesville, Ga.	1906	
Elkan, Julius	Bellingham, Wash.	Merchant	1904-1907	Brunswick, Ga.	1907	
Gaskins, Alvah	Nashville, Ga.	Merchant	1903-1907	Nashville, Ga.	1907	
Phillips, Chas. G.		Lumberman	1903-1907	Fannin Co., Ga.	1907	
Stephens, M. L.		Farmer	1904-1907	Heard Co., Ga.	1907	

UNIVERSITY OF ILLINOIS
PRESIDENT'S OFFICE

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NORTH GEORGIA Agricultural College

1908 - 1909

Announcements

For

1909 - 1910

Y. C. A. C.

PLANT BREEDING

This includes lectures on the methods of improving plants by crossing and selection. This will also consist of practical work in the field, cross pollenating plants and making selections from plots.

Sophomore Class, second term. Two hours per week.

FORESTRY

This is a study of the best methods of maintaining the forests. A study of the trees, diseases, classification and insect pests.

Senior Class, second term. Two hours per week.

VETERINARY SCIENCE

This includes a thorough study of the anatomy of farm animals, the most common diseases affecting these animals, methods of detecting, prevention and treatment of same. Laboratory work consists of dissecting and studying the various organs of animals from the standpoint of diseased and healthy conditions.

Senior Class, first and second terms. Two hours per week.

School of Business Science

S. B. Rowland, M. Accts., Professor.

FRESHMAN YEAR

In this age of large commercial enterprises of every kind and of the very keenest competition it is almost indispensable that every young person have an education, and if possible, some business training. This is true not only of the banker, merchant, and lawyer, but of the farmer, mechanic and laborer. None of us can shirk our business relations. Therefore it is necessary that we obtain some of this discipline or training in the schoolroom, and thus save ourselves of some high-priced experience. The modern business house is like a perfectly constructed machine, every employer fitting in and working with one end in view. The managers, secretaries, bookkeepers, stenographers, clerks, workmen, etc., are simply representative of the different pieces of the nicely adjusted machine. If any one fails to do his duty, the efficiency of the machine's work is hindered, and everything is thrown out of gear. Consequently, good bookkeepers and stenographers are always in demand. The fact that our commercial students get so much academic training makes our course an exceptionally strong one, producing that roundness of development that is so essential to one's success in life.

BOOKKEEPING

It matters not whether a man ever expects to keep books, he will find a course in bookkeeping beneficial to him in any vocation for it is absolutely necessary that he keep in close touch with his

ZOOLOGY

1. Zoology.—This course is an introduction to the study of animals —their structure, functions, habits, origin, relationship and classification. The student is first introduced to the simplest forms of animals, in which structure and functions are expressed in their simplest terms. From the consideration of these, he passes in a natural manner to the study of higher and more complex forms, thus obtaining a knowledge of the gradual differentiation of structure and correlative specialization of functions so clearly illustrated by the study of types. Special attention is paid to animal ecology—e. g.; the relation of animals to their environment, effect of climate, soil, etc.; parasitism, commercialism, natural and artificial selection; the interdependence of species, and the caution which must be observed in interference with these natural relations.

Freshman—Five hours per week.

BACTERIOLOGY

1. Bacteriology.—The instruction in bacteriology is given by means of lectures, text-books work, recitations and laboratory exercises. The object of this course of study is to acquaint the student with the various organisms found in air, water, soil, milk and the body, and their relation to such processes, as decomposition, fermentation, digestion, and production of disease. The toxic substances resulting from the growth of organisms are considered, as well as the antitoxins used to counteract their action.

Senior Class, first term. Four hours per week.

SHOP WORK

1. Forging.—This work includes exercises in bending, twisting, shaping, welding iron and making tools, etc.; followed by work in steel such as tool making, tempering, welding, etc. Required of all agricultural students.

Junior Class, first year. Four hours per week.

ENTOMOLOGY

This work includes a study of the most common insects affecting fruit trees and farm plants. Their history, habits and methods of eradicating them.

Junior Class, first term. Two hours per week.

PLANT PATHOLOGY

This work consist of a study of the most common fungus diseases of farm plants and of fruits. Their development and methods of preventing same. Laboratory work will consist of collecting diseased plants and making a minute study of same.

Junior Class, second term. Two hours per week.

Laboratory work and trips into the Blue Ridge Mountains form part of the practical work.

Freshman, A Class, first term. Five hours per week.

HORTICULTURE

Students are given instruction and practice as will enable them to become acquainted with the general principles of plant culture and the practical application of those principles. The work is planned to give such knowledge of horticulture as will best help to increase the capacity of the students for the enjoyment of out-door life and work with plants and to enable them to increase the comforts, beauty and profits of life on the farm.

1. HORTICULTURE.—This work presents the principles of the art, introducing the facts underlying the methods of general practice in nursery, orchard and garden work. The planning and planting of groves, orchards, and gardens, with notes as to species and varieties adapted to various conditions.

Laboratory work consists of practice in nursery, garden and orchard work, including setting, grafting and cutting, spring pruning, construction and care of hot-beds and cold frames, testing and planting seeds, preparation of garden soils, use of garden tools, making an application of spray mixtures and the use of spray machinery.

Junior Class, first term. Four hours per week.

2. VEGETABLE GARDENING.—The work of this year is devoted to a study of methods of field operations, including use of fertilizer, seed selection, means of securing sanitary conditions, and a brief study of varieties. Vegetable gardening is supplemented with lectures on small fruits, marketing and adaption of principles of local conditions.

Junior Class, second term. Four hours per week.

3. LANDSCAPE GARDENING.—It is the wish of the school to promote the work of landscape gardening in every possible way. The main object of the course is to give the general student an understanding of the fundamental principles of design and good taste as applied to gardening. The principles of this art studied in relation to their application to the planting and planning of home grounds, walks and drives, streets, parks and cemeteries. The value of the various trees, shrubs, annual and perennial herbaceous plants for securing desired effects, are taken up in detail, with special reference to their use under different climate and soil conditions. Gardens of hardy and tender plants are being continually extended. Actual work in practical landscape gardening, laying drives and walks, planning and planting various areas, is constantly in progress on the college campus.

Junior Class, second term. Four hours per week.

3-4. Principles of Breeding.—This course includes the study of the laws of heredity, variation, atavism, selection, etc.; methods and results of crossing, inbreeding, line breeding, etc. The methods employed by the leading improvers of live stock are studied in connection with the application of these various laws, and the student is shown how to maintain and improve his own flocks and herds by a knowledge of the fundamental principles of breeding.

Junior Class, first and second terms. Four hours per week.

5. Stock Judging and Handling.—The animals are brought before the student for their inspection and criticism and a score card is used until the student is familiar with the breed characteristics and requirements. Practical work in handling live stock, such as throwing animals, administering medicines, trimming hoofs and dehorning.

Senior Class, first term. Four hours per week.

6. Feeds and Feeding.—The practical feeding of the various classes of domestic animals for the most profitable results is given in this course. The student is shown how to apply his knowledge of feeding standards and tables of digesting nutrients in feeding—stuffs to actual feed-lot conditions; the most economical combinations of feeds for maintenance, the production of milk and the growing and fattening of the various classes of animals for market. Special attention is given to conditions prevailing over our own State. The results of experimental feeding by experiment stations are freely drawn upon in this subject. This course presupposes a year of Chemistry.

Senior Class, second term. Four hours per week.

BOTANY

It is well recognized that Botany is one of the most important of the sciences upon which the practice of agriculture is based for the reason that Botany deals with plant life, basis of agriculture.

1. Elementary Botany.—This course covers the elements of morphology and physiology. All of the great groups of plants are discussed in the order of their evolutionary development. Especial attention is given to the changes in structure which appear in response to the changes of environments. Emphasis is laid upon the plasticity and adaptiveness of the plant organism. By grasping this fundamental conception at the outset, the facts of plant life, practically studied in horticulture and agriculture, become more comprehensible and significant. A general study of the classification of the plant kingdom, sufficient to enable the student to understand the broad outlines and the relationship of the alliances secured in this course, and by coming in close contact with plants as living organisms in their natural habits enables him to become acquainted with the factors that regulate their life and activity.

and uses. The latter part of the term, all the time will be devoted to practical and theoretical instruction in terracing, ditching and drainage work.

Junior Class, second term. Four hours.

DAIRY HUSBANDRY

The purpose of this course is to give the student such knowledge and skill as will enable him to return to the farm and select, breed and feed the best dairy animals it is possible for him to obtain; or if he has no farm of his own, opportunities are open for young men, after getting some experiences, to work into farm managers. Machinery is fast taking the place of hand labor, and it is therefore essential to become acquainted with the different appliances and gain an intelligent conception of the principles of mechanics.

1-2 Dairying.—Breeding, feeding, recording and judging dairy cows; general management of dairy herds. Instructions are given in the conditions influencing the quality and quantity of milk; its secretion, nature and composition; the methods of handling milk for butter and cheese making.

Laboratory work consists in testing milk, cream, skim-milk, buttermilk and whey; butter and cheese for fat purposes and methods; the detection of adulteration; testing accuracy of glassware; Babcock testers and cream separators; practice in separating, pasteurizing, refining and churning cream.

Sophomore Class, first and second terms.

ANIMAL HUSBANDRY

Successful agriculture depends very largely upon the quality and class of live stock kept on the farm. As the price of farm lands increase, the value of farm crops is also increased and it becomes necessary to produce a better class of animals to consume many of the farm crops and convert them into marketable products. Realizing this the work has been planned to emphasize this fact and to encourage young men to the breeding and improvement of the various classes of domestic animals. The work has been planned with a view of giving a thorough training along the lines of stock judging and selection, stock breeding, feeding, general care and management.

1-2. Breeds of Live Stock.—Four hours a week, through the two terms, are given to the study of breeds of horses, cattle, sheep and swine. Each breed is taken up separately and studied from its origin. The methods used in establishing and improving the breeds, and the environments under which they are reared, their importation and popularity in the United States, are each given due attention, with the idea of making the student familiar with each of the leading breeds of live stock in the country.

Sophomore Class, first and second terms. Four hours per week.

Outline of Instruction

AGRONOMY

Agronomy in its strictest sense, includes four general outlines of study; soils, crops, farm mechanics and farm management. Agriculture No. 3 takes up the elementary study of soils and crops and serves as an introduction to the several branches of agriculture, animal husbandry and dairying.

It is proposed to make the agricultural studies thoroughly practical. Agricultural success depends upon Science and to understand the "principles of Agriculture" requires a knowledge of many sciences, Physics, Botany, Chemistry, Geology and Mathematics.

1-2. AGRICULTURE.—An elementary study of the soil—its formation, texture, plant food, moisture, tillage and fertility; the plant—its relation to the soil and climate, its propagation, growth and cultivation; the kinds of crops and their culture; the animal—its life, feeding, breeding, and management.

Freshman Class, first term.

3. SOILS.—A study of soil formation and mechanical composition, including a special study of the physical problems of the soil as regards texture, tillage, movements of soil water, soil-moisture, conservation, aeration of soil, draining and warming the soil.

Laboratory will consist largely of the demonstration and application of the principles of soil physics taught in the class-room, both by work in the laboratory and in the field. The students will be given practice work in determining soil moisture, in cultivation methods and in mechanical analysis of soil.

Sophomore Class, first term.

4. FIELD CROP.—This course includes a study of the following: Standard crop as to the origin, development, and special adaption to soil and climate; investigation of new crops.

Sophomore Class, second term.

5. GRASS AND FORAGE CROPS.—This course treats of the different grasses and other forage crops in particular. See Field Crops.

Junior Class, first term. Four hours per week.

6. FARM MECHANICS.—Selection of a farm as to location, soil, climate, etc.; different systems of farming; field and crop management and the keeping of farm accounts.

Junior Class, first term. Four hours per week.

7. FARM MECHANICS.—This special subject will include farm machinery, its invention, history and development; a study of the principles of construction and operation with comparisons of the different kinds and classes, according to their adoption for special conditions

(*b*) The two-year course is similar to the first two years of the four year course except that in the second year additional work in Agriculture and Horticulture is substituted for English and Mathematics. Those who complete this work will be given a certificate.

(*c*) To meet the needs of men of mature years, who are busy on the farm the greater portion of the year, and for the benefit of those young men who desire to become better farmers and who feel that they cannot take one of the regular courses in Agriculture a short course has been arranged beginning the first Monday in January and closing the second Friday in March.

LIBRARY

The school of Agriculture has a well equipped Agricultural Department Library in which are kept all government bulletins and publications, reference books and the leading agricultural magazines and papers of the United States.

It is believed that the contact with the books and magazines found in the library is worth a great deal and arouses a desire to know more than books contain. Agricultural students are required to do work in both agricultural library and the larger college library.

TWO-YEAR COURSE

The two-year course is the same in the Freshman year as that in the four-year course. In the Sophomore year the student is allowed to elect any subject in Agriculture in the place of English and Chemistry through the two terms.

A unit hour is one hour of recitation per week for one term. As for instance, if a study comes five times a week it is equal to five hours or a five-fifth course. If it meets but twice a week it is a two-fifth course.

REQUIREMENTS FOR GRADUATION

The degree of Bachelor of Science (in Agriculture) is conferred on students who successfully complete one hundred and sixty (160) unit hours of work as prescribed in the Agricultural course.

Those who successfully complete eighty unit hours of work as prescribed for the short course will be given a certificate.

Students who wish to make more than schedule calls for (20-21 fifths) per term must have an average of eighty or above in all his work of the previous term. No student may take less than thirteen fifths unless by special permission of the faculty.

No Latin or French is required of the agricultural students. This affects all students who are registered in the agricultural course. A and B classes and the four collegiate classes.

bosses the farm if he has acquired sufficient knowledge. The only serious drawback to the onward march of modern agriculture is the lack of trained workers. The government is calling for more agricultural experts than the country can produce. Every state demands teachers for its High Schools. The District Agricultural schools want teachers of Agriculture. The Agricultural Colleges are clamoring for more help. The Philippines are taking a great number of agricultural men. Foreign countries are sending for them. There is room in Georgia alone for scores of young men at first class salaries to act in responsible positions. Agriculture is not a crowded profession and the demand for agricultural experts far exceeds the number of graduates in Agriculture.

LABORATORIES AND EQUIPMENT

The School of Agriculture is well equipped with laboratories and class rooms. The biological laboratories are in Bostwick Hall and contain equipments for satisfactory work in botany and zoology, instruments such as dissecting microscopes, compound microscopes, students' dissecting sets and microtomes are at the disposal of the students.

The soil physics laboratories and dark room for photographic and vegetable physiology work are located on the second floor of Bostwick Hall. The soil laboratory is equipped with all modern appliances for the mechanical and chemical analysis of soils. The room is fitted up with soil bins, electric motor, shaker, centrifuge and other necessary apparatus.

The dairy laboratory is also located on the second floor of Bostwick Hall. It contains Two modern Cream Separators and one eight-bottle Babcock Tester. Besides these machines the laboratory contains all necessary appliances for the study of milk and cream under different conditions.

EXPERIMENTAL FARM

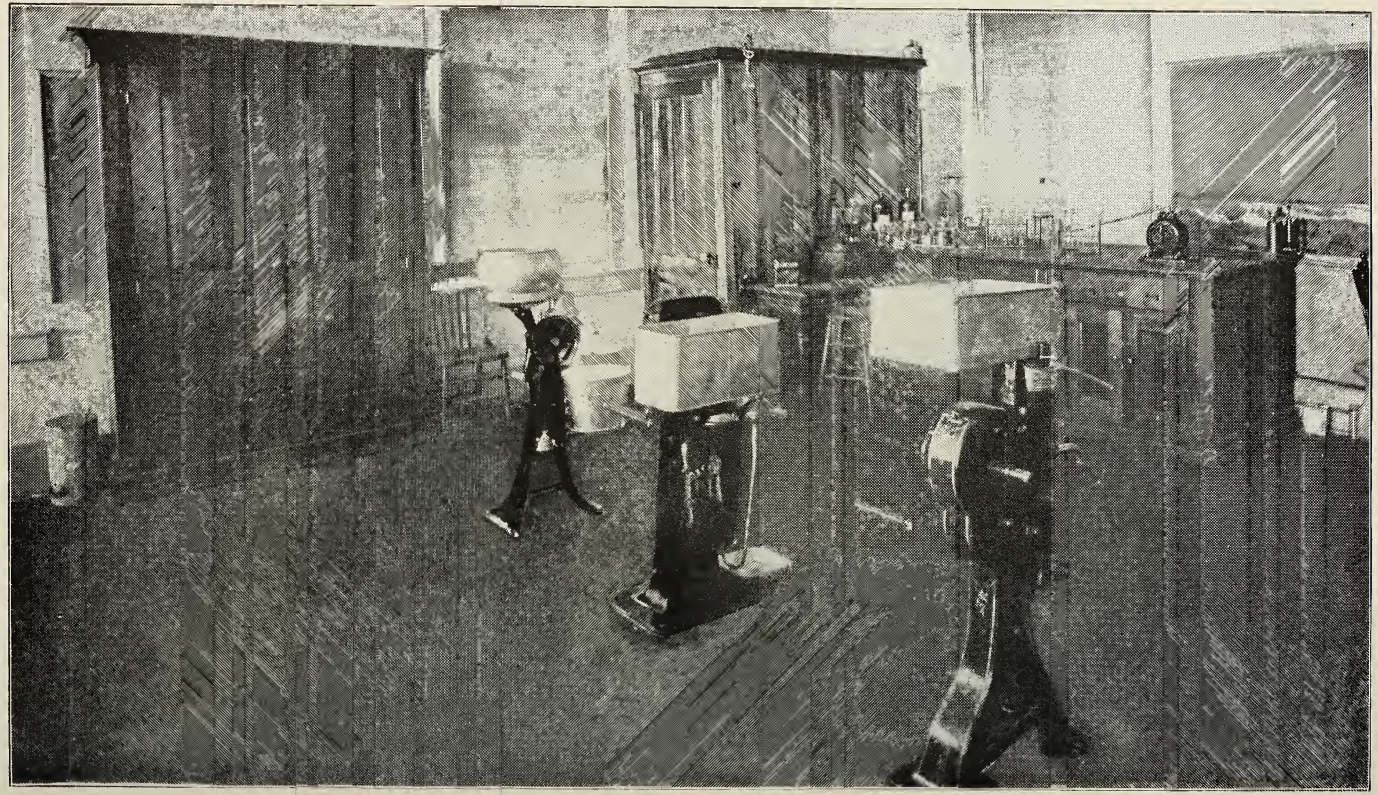
Adjoining the college campus is a thirty-acre experimental farm under a high state of cultivation. The farm is divided into plats and a great variety of seeds are grown for experimental purposes, The results are published for the benefit of the farmers.

Ample room is divided for the college herd of live stock which is used in connection with the study of animal husbandry.

DEGREES AND CERTIFICATES

In order to meet the needs of all young men who desire instruction in agriculture three distinct courses are given.

(*a*) A four-year course which leads to the degree of Bachelor of Science in Agriculture. This course is designed to give a training which is thoroughly practical as well as scientific. The greater portion of the work in agriculture is done in the last two years of this course.



SHOWING SEPARATORS, BABCOCK TEST AND OTHER DAIRY APPARATUS.

Department of Agriculture

C. F. NIVEN, B. Agr. M. S. Director.

Assistant in Agriculture.*

Student Assistant in Agriculture.*

T. H. WIMPEY, Farm Superintendent.

AIM AND OBJECT

The school of Agriculture in the North Georgia Agricultural College stands for thorough training in the practical science as relates to the various phases of agriculture. Its aim is to send out young men fitted by their training to take a leading part in the development of the agricultural resources of the State, to become scientific farmers and horticulturists prepared to make two blades of grass grow where one grew before, men fitted not only to meet demands made upon them, but to create such demands by pointing out the way to progress and development.

THE FIELD OF THE SCHOOL

The field of the school of agriculture is large. The progress of modern science has created new professions, and changed the old ones, until they are beyond recognition. The humble pursuits of the past have been dignified by the concentration of the mind of the man upon them, until, to-day, they rank with the professions of a generation ago. Our country offers to-day, unlimited demand for men and women who have made themselves professional workers in the various phases of agriculture. The development of agriculture has made the possibilities of the soil so profitable and pleasant that a great portion of the most intelligent people of the land are looking toward scientific agriculture as the profession for themselves and their children.

The school of agriculture believes in the education that fits for life, and trains the head, heart and hand.

POSSIBILITIES IN AGRICULTURE

The present day learning has created several new professions. One of them is Agriculture. Science has been applied to Agriculture and its various branches until soils and plants and animals can be made to do the will of the trained farmer. Agricultural education is sweeping the entire country. Congress and the State Legislature are helping it on. The development of Agriculture will make it possible for every man and woman who follows farming to earn a handsome income, and at the same time live a helpful and happy life. The farm used to boss the man, but now the man

*Not yet appointed.

FRENCH

The object of this course is to enable the student to avail himself of the large number of scientific treatises that are published in the French language and to read with appreciation the master pieces of French literature; to acquire the ability to speak the language, and to gain a knowledge of its grammar. In order to accomplish this an almost equal time is given to reading, conversation, and grammar. Especial attention is given to the study of the idioms of the language.

Course of Study

1. Introductory Course.—Fraser and Squair's "French Grammar;" reading of short stories; conversational exercises at every recitation.

Required of Freshman Class, entire year. Five hours.

2. Composition and Conversation.—Sanderson's "Through France and the French Syntax;" Halény's "L'Abbe Constantin," Labiche Martin's "Poudre aux Yeux;" Sand's "La Mare au Diable;" and selected readings; original compositions in French. Recitations are as far as practicable, conducted in French.

Required of Sophomore Class, entire year. Five hours.

3. Les Miserables.—Review of French Grammar; study of Victor Hugo's "Les Miserables;" the French and the English idiom compared; original compositions in French; conversational exercises; study of the classicists and the writers of the Romantic school, and selections from them. This year will be devoted principally to a literary study of the masterpieces of French literature with special attention to the peculiar excellence of the French language as a means of literary expression.

Required of Junior Class, entire year. Three hours.

4. French Literature.—"Histoire de la Litérature Française;" representative selections from eighteenth century prose; Descartes, Pascal, La Bruyère; selections from classics, Molière, Racine, Corneille; conversation; business and social correspondence.

Optional with the Senior Class, entire year. Two hours.

5. American History.—Advanced course. Main stress on the Constitutional Period. Critical canvass of the Period of Reconstruction. Discussion of present political parties and problems. Individual research work. Thesis each term.

Text-book: Elson's "History of the United States," Wilson's "Division and Reunion."

Two hours a week, fall and spring terms. Junior Class.

6. Political Science.—An exposition of the most prominent theories of the Origin of the State, and a comparative study of the forms and the functions of the principal government arrangements of Ancient and Modern times. Thesis required at the close of the term.

Text-book: Wilson's "The State," Burgess's "Political Science and Comparative Constitutional Law."

Three hours a week, fall term. Senior Class.

7. Political Economy.—Brief review of economic history. A careful study of monetary problems, tariff, taxation, monopolies, and especially the economic function of government. Statement of present economic status and issues. Term thesis.

Text-book: Bullock's "Introduction to the Study of Economics."

Two hours a week, spring term. Senior Class.

(The class may substitute for course 7 a course in Sociology).

Departments of French and Art

Miss Merritt.

ART

Art has been defined as "the manner in which nature is used for the production of beauty. The material may be language, or the movement of the body, or sound, or life itself, as well as stone, or plaster, or paints, or ink and paper. In the mouldings of all these things Art may arise, so that there lives no human being, how poor soever, who may not beautify his life by Art."

Freehand Drawing classes are open to all the students. In them the underlying principles of Art, proportion, perspective, and composition are stressed, as well as light and shade. First, the simplest objects composed of straight lines are used for models, then curved surfaces are introduced, and after that more complex objects. The lessons are varied by sketching from still-life, from nature, and from life.

The lessons will be supplemented by discussions on the different aspects of Art and its relation to life, and the history of Art will be studied.

A special course is offered, in charcoal, crayon, pastel, oils, water-colors and pen and ink to those who may desire it.

Department of History and Economics

W. J. Bradley, Professor

Course of Study

1. History of the United States.—History and Civics in this course form one study; Government will be viewed as the structural aspect of the experience of society. Main stress upon the development of social and industrial conditions. Topical method of presentation employed. Parallel Readings: Hart's Source Readers in American History, hero stories, biographies of famous Americans. Clearness of comprehension and facility of expression insisted upon through frequent oral and written discussions.

Text-book: Doub's "History of the United States." Five hours a week, fall and spring terms.

Required of Sub-Freshman, B Class.

2. The Ancient World.—Period—From the Earliest Times to 800 A. D. Similar to Course 1. The continuity of historical development and the value of the Past in explaining the Present constitute the central and controlling motifs of the course. Oriental life and thought critically contrasted with that of the West. Likewise the Roman genius with that of the Greek. More than the usual time devoted to the rise of Christianity and its contribution to civilization. Monthly themes.

Text-book: West's "Ancient World." Five hours a week, fall and spring terms.

Required of Sub-Freshman, A Class.

3. History of Modern Europe.—Embracing the history of Europe from Charlemagne to the Present Time. The doctrines and struggles of the Papacy rather extensively treated. The dawn and development of National Consciousness with its present tendencies and implications receive the major portion of study. One-half of the total amount of time consumed in this course is given to the Nineteenth Century. Thesis quarterly.

Text-book: West's "Modern History." Five hours a week, fall and spring terms.

Freshman Class.

4. History of England.—Closely correlated with the History of Western Europe. Early political institutions fully and clearly defined. Importance of race elements particularly detailed. Considerable emphasis upon the Expansion and the Foreign Policy of England. About twenty-five per cent. of the time will be given to the Nineteenth Century. Thesis quarterly.

Text-book: To be supplied.

Five hours a week, fall and spring terms. Sophomore Class.

COMPOSITION

the student with the body of thought contained in the literature of the Latin authors. Sight reading and scanning will be emphasized.

As the fountain source of a large proportion of the words in our own tongue, the Latin language must always be studied. In addition to this the cultured man must also be familiar with the philosophy of life and the progress of civilization and literary culture developed by these ancient authors.

The ends aimed at in this department, therefore, are mental discipline, love of literature, the best ethical ideals, and the most approved form of literary expression.

Course of Study

1. Introductory Latin.—By Moulton.

Required of Sub-Freshman, B Class, entire year. Five hours.

2. Caesar.—Towle & Jenks' "Caesar's Gallic War," Books I-IV. Moulton and Collar's "Preparatory Latin Composition."

Required of Sub-Freshman, A Class, fall term. Five hours.

3. Cicero.—Tunstall's Six Orations of Cicero. Allen and Greenough's "Latin Grammar," and "Preparatory Latin Composition."

Required of Sub-Freshman, A Class, spring term. Five hours.

4. Ovid.—Miller's Selections from Ovid, Gayley's "Classic Myths," Allen and Greenough's "Latin Grammar."

Required of Freshman Class, fall term. Five hours.

5. Vergil.—Knapp's "Vergil's Aeneid," Gayley's "Classic Myths," Allen and Greenough's "Latin Grammar."

Required of Freshman Class, spring term. Five hours.

6. Livy.—Burton's "Selections from Livy," Lewis's "Elementary Latin Dictionary," Allen and Greenough's "Latin Grammar."

Required of Sophomore Class, fall term. Five hours.

7. Horace.—Smith and Greenough's "Odes and Satires of Horace," Allen and Greenough's "Latin Grammar."

Required of Sophomore Class, spring term. Five hours.

8. Price's Cicero "De Amicitia."

Junior Class, fall term. Three hours.

9. Wilson's "Juvenal."

Junior Class, spring term. Three hours.

10. "Agricola of Tacitus" by Gudeman.

Senior Class, fall term. Two hours.

11. "Phormio of Terence" by Laing.

Senior Class, spring term. Two hours.

8. Elements of Literary Criticism (continued).—Poetry— the drama, the epic, the lyric; representative authors with special reference to Shakespeare; theme work.

Text-book: Sheran's "A Handbook of Literary Criticism," and Baldwin and Paul's "English Poems."

Sophomore Class, spring term. Five hours.

9. Old English.—Short study of Old English Grammar, lectures on the historical development of the English language; Age of Chaucer in English literature; study of Chaucer's "Prologue," and "Knight's Tale."

Text-book: Smith's "Old English Grammar," and Root's "The Poetry of Chaucer."

Junior Class, fall term. Three hours.

10. English Literature.—The purpose of this course is to make a historical survey of the English Language as a whole and to give detailed knowledge of the more important periods; theme work.

Text-book: Pancoast's "Introduction to English Literature" (revised).

Junior Class, spring term. Three hours.

11. Criticism and Rhetoric.—This course will attempt to give practical training in literary investigation. Individual work will be assigned to each student, who will be required to make written reports. These reports will form the basis of some advanced work in rhetoric.

Text-book: Winchester's "Literary Criticism."

Senior Class, fall term. Two hours.

12. (*a*) Milton.—Survey of the Age of Milton in literature; critical study of Milton as a master of lyric, epic, and dramatic poetry; study of "Paradise Lost;" theme work.

(*b*) Careful review of English Grammar both from a historical and a technical standpoint.

Text-book: Himes' Milton's "Paradise Lost," and Rigdon's "Grammar of the English Sentence."

Senior Class, spring term. Two hours.

Note: A special advanced course in Argumentation and Debating is offered to the members of the Sophomore, Junior and Senior classes. This course is optional and will be given if a sufficient number make application.

Department of Latin

E. B. Vickery, Professor

The course of study prescribed in Latin is, in the main, the one adopted by the leading colleges of the country. This course has for its object not only the training of the students in the idioms and forms of expression of the Latin language, but also to furnish

Required for reading and study: "Vision of Sir Launfal," "Julius Caesar," "The Gold Bug."

Sub-Freshman B Class, spring term. Five hours.

3. RHETORIC AND COMPOSITION.—Review of previous work, criticism of incorrect forms, English usage, rhetorical structure of the sentence, the paragraph; compositions, qualities of style as illustrated by standard authors, collecting and arranging of material; declamations.

Text-book: Carpenter's Rhetoric and English Composition.

Required for reading and study: The Merchant of Venice, Ivanhoe, Milton's Minor Poems.

Sub-Freshman B Class, fall term. Five hours.

4. (*a*) RHETORIC AND COMPOSITION.—Continuation of fall term work, the paragraph, the whole composition, minor forms of composition, drills in punctuation; declamations.

(*b*) SOUTHERN LITERATURE.—Its origin, growth and rank; careful study of representative authors.

Text-books: Carpenter's "Rhetoric and English Composition," and Manly's "Southern Literature."

Required for reading and study: "Macbeth," Macaulay's "Life of Johnson," "Silas Marner."

Sub-Freshman A Class, spring term. Five hours.

5. RHETORIC.—Narration, description, exposition, argumentation, English Prosody; theme work; careful study of illustrative extracts from literature.

Required for reading and study: "Tale of Two Cities," "Hamlet," "Conciliation of American Colonies," "The Princess."

Text-book: Gardiner, Kittredge and Arnold's "Manual of Composition and Rhetoric."

Freshman Class, fall term. Five hours.

6. AMERICAN LITERATURE.—Historical survey, causes that contributed to its growth, careful study of representative works of leading authors.

Text-book: Abernathy's "American Literature."

Required for reading and study: "Franklin's Autobiography;" "Washington's Farewell Address;" "The Spectre Bridegroom;" "The Spy;" "Thanatopsis;" "Marco Bozzaris;" "The American Scholar;" "Compensation;" "The House of Seven Gables;" "First Bunker Hill Oration;" "Snowbound;" "Hiawatha;" "Old Ironside;" "Bedouin Song;" "Pan in Wall Street;" "Prue and I;" "O Captain, My Captain."

Freshman Class, spring term. Five hours.

7. ELEMENTS OF LITERARY CRITICISM.—Review of principles of rhetoric—art content in literature, personality in literary art; the letter, the essay, biography, history, the oration, fiction, the novel, study of illustrative works, theme work.

Text-book: Sheran's "A Handbook of Literary Criticism."

Sophomore Class, fall term. Five hours.

(c) Levelling.—Levelling for Section, Topographical Levelling, Railroad Surveying.

Text-Book: Wentworth's "New Plane and Spherical Trigonometry, and Surveying and Levelling."

Required of Sophomore Class, spring term. Five hours.

9. Analytic Geometry.—Loci and their equations. Rectilinear System of co-ordinates. The straight line, the circle, different systems of co-ordinates. The parabola, the ellipse, the hyperbola; Loci of the Second order, Higher Plant Curves. Solid Geometry.

Text-book: Wentworth's "Analytic Geometry."

Junior Class, fall term. Five hours.

10. Calculus.—Differential and Integral, Quantities, Functions, Fundamental Principles, Differentiation, Limits, Analytic and Geometric Applications, Successive Differentiation, Integral Calculus Type Forms, Rational and Irrational Fractions, Trigonometric Integrals, Geometric and Mechanical Applications.

Text-Book: Nichol's "Differential and Integral Calculus."

Junior Class, spring term. Five hours.

11. Astronomy.—Young's "Manual of Astronomy."

Senior Class, fall term. Five hours.

12. Mechanics.—Definitions, Composition and Resolution of Forces, Center of Gravity and Stability, Elementary Mechanics, Kinetics, Centrifugal Force. Work and Energy. Mechanics of Gases and Vapors, Hydraulic and Pneumatic Machines.

Text-Book: Peck's "Analytical Mechanics."

Senior Class, spring term. Five hours.

Department of English Language and Literature

George W. Camp, Professor

1. English Grammar.—The object of this course is to give the student a working knowledge of English Grammar. It will include composition work, oral and written spelling, drills in the accurate use of words, oral and written reproduction, reading, and declamation. Neatness and accuracy will be stressed.

Text-book: Baskerville & Sewell's "English Grammer."

Required for reading and study: Lamb's "Shakespeare's Comedies" and selections from Irving, Cooper, Bryant, Hawthorne, Longfellow, and Whittier.

Sub-Freshman B Class, fall term. Five hours.

2. Grammar and Composition.—Oral and written compositions, use of capital letters, punctuation, spelling, letter-writing, description, reading, reproduction and declamation.

Text-book: Baskerville and Sewell's "English Grammar."

CADET BAND.

matical certainty the structural value of stone, wood and iron. They do not guess; they must know. In order to know absolutely they must be trained with mathematical certainty.

We therefore stress particularly the practical application of the science to industrial arts.

Course of Study

1. ARITHMETIC.—Arithmetic completed. Five hours.

Text-book: Milne's "Standard."

Required of Sub-Freshman A Class, fall term. Five hours.

2. ELEMENTS OF ALGEBRA.—Five hours per week.

Text-book: Wentworth's "Elements."

Required of Sub-Freshman B Class, spring term.

3. ELEMENTS OF ALGEBRA.—Review of first principles. Chapters VIII to XV inclusive.

Text-Book: Wentworth's "Elements."

Required of Sub-Freshman A Class, fall term. Five hours.

4. PLANE GEOMETRY.—Book I to IV, inclusive.

Text-Book: Wentworth's "Plane and Solid" (Revised).

Required of Sub-Freshman A Class, spring term.

5. ALGEBRA.—Review of fundamental operations, Factors, Fractions, Simple Equations, Simultaneous Equations, Involution, Evolution, Radicals, Exponents, Quadratic Equations, Simultaneous Quadratics, Radical Equations, Surds and Imaginaries, Ratio and Proportion, Arithmetical and Geometrical Progression, Binomial Theorem, Logarithms.

Text-Book: Wentworth's "College Algebra."

Required of Freshman Class, fall term. Five hours.

6. GEOMETRY.—Books IV to IX, inclusive.

Text-Book: Wentworth's "Plane and Solid" (Revised).

Required of Freshman Class, spring term. Five hours.

7. (*a*) ALGEBRA.—Interest and Annuities, Choice, Chance, Continued Fractions, Variables and Limits, Series, Interpolation, Determinants, General Properties of Equations.

(*b*) Solid Geometry.

8. PLANE TRIGONOMETRY.—Trigonometric functions, the right triangle, Goniometry, the Oblique Triangle, Construction of Tables.

Text-Books: Wentworth's "College Algebra," and "Plane and Solid Geometry," "Plane and Spherical Trigonometry."

Required of Sophomore Class, fall term. Five hours.

(*a*) SPHERICAL TRIGONOMETRY.—Right Spherical Triangle, the Oblique Spherical Triangle, Application to Astronomy.

(*b*) SURVEYING.—Surveying instruments and their uses. Land Surveying, Rectangular Surveying, Platting, Plane Table Surveying, Triangulation.

(*b*) CHEMISTRY.—Organic Chemistry taken up with special attention to such subjects as bear on Agriculture.

Sophomore Class, fall term. Five hours.

6. QUALITATIVE ANALYSIS.—This course has its foundation in the previous course and aims to make the work a practical study, full of interest and utility.

Sophomore Class, spring term.

7. PHYSICS.—Matter and Properties, Dynamics of Liquids and Gases, and heat are completed in the fall term. Sound, Light and Electricity are studied in the spring term.

Junior Class (entire year). Three hours recitations and two hours laboratory.

8. QUANTITATIVE ANALYSIS.—Gravimetric analysis, fall term; Volumetric analysis and miscellaneous work, spring term.

Junior Class (entire year). One hour recitation and nine hours laboratory.

9. GEOLOGY.—This includes class-room work with a practical study of the geology of the section.

Senior Class, fall term.

10. QUANTITATIVE ANALYSIS.—Students will be given an opportunity to do practice work in this branch during this year.

Senior Class.

NOTE.—Students doing chemical laboratory work are required to pay $2.00 a term to cover the cost of materials used in their work, and to make a deposit of $1.00 for breakage. The amount above what is broken will be refunded.

Department of Mathematics

J. W. BOYD, Professor

J. C. BARNES, Professor

The objects of teaching in this department are:

First: The full and harmonious development of the reasoning faculties that the man may perform his life work with the best possible results to himself and his fellow man.

Second: To reveal to the student the moral worth of this science in developing habits of promptness, accuracy and decision, and in discriminating between truth and error. The deductions of this science are absolute and incontrovertible. This knowledge gives sound conviction, stability of character, and conscious power.

Third: To set forth the utility of the science in its practical application to the great industrial enterprises of our country. The successful captains of industry are men who must know with mathe-

8. PHILOSOPHY.—This course will give a brief view of philosophic thought from its earliest history to the present. Special attention will be given to the period of Greek philosophy. Lectures, discussions, and theme work will be made prominent.

Text-books: Weber's "History of Philosophy," Bakewell's "Source Book in Ancient Philosophy," and Rand's "Modern Philosophers.

Senior Class, fall term. Two hours.

9. ETHICS.—This course is intended to present both historically and critically the principal types of ethical theory. Lectures, parallel readings and individual investigations.

Text-Book: Thilly's "Introduction to Ethics."

Senior Class, spring term.

Department of Chemistry, Physics and Geology

B. P. GAILLARD, Professor

J. C. BARNES, Associate

The course pursued in the sciences of chemistry, physics, and geology is designed to enable the student to know scientific facts and to grasp scientific principles, to acquire skill in handling and adjustment of apparatus, to awaken the scientific spirit and teach scientific methods, to cultivate a love for investigation and gain a store of facts that can be applied to the practical affairs of life.

Course of Study

1. PHYSIOLOGY.—An elementary knowledge of physiology as to the structure and functions of the organs is imparted. The laws of health are especially emphasized, and the student is prepared to teach the subject in the public schools of the state.

Required of Sub-Freshman B Class, spring term. Five hours.

2. PHYSICAL GEOGRAPHY.—In this study instruction by recitation and illustration is given. The students are taught to observe the phenomena of everyday life intelligently.

Sub-Freshman A Class, fall term. Five hours.

3. PHYSICS.—An elementary course in Physics is given preparatory for Freshman work in Agriculture and Mining.

Sub-Freshman A Class, spring term. Five hours.

4. CHEMISTRY.—General Inorganic Chemistry is taken up. The class will complete the work through non-metals. Special attention is given in this course to the practical application of chemistry.

Freshman Class, spring term. Five hours.

5. (*a*) CHEMISTRY.—General Inorganic Chemistry continued till completed, through metals, with laboratory work.

DESCRIPTION OF COURSES

Department of Philosophy and Education

1. Theory and Practice.—The object will be to lay the foundation for teaching, especially in the common schools of Georgia. The work will be preparatory for teachers' examination.

Text-Book: Dinsmore's "Teaching a District School," Dutton's "School Management," and the "Manual of Methods for Georgia Teachers."

"A" Class, entire year. Two hours.

2. Physiology for Teachers.—The elementary principles of mental operations, mental observations, and mental development will be stressed.

Text-Book: Gordy's New Psychology.

Freshman Class, fall term. Two hours.

3. Class Management.—This course will attempt to give an idea of the principles and technique of class room management.

Text-Book: Bagley's "Classroom Management."

Freshman Class, spring term. Two hours.

4. History of Education.—This course is intended: first, to give an historical survey of the development of education; second, to deal with educational tendencies rather than men; third, to show the connection between education as a theory and actual school work; fourth, to suggest relations with present educational work.

Text-Book: Monroe's "A Brief in the History of Education."

Sophomore Class, fall term. Two hours.

5. Philosophy of Education.—Education from a biological, physiological, sociological, and psychological standpoint.

Text-Book: Horn's "The Philosophy of Education."

Sophomore Class, spring term. Two hours.

6. Psychology.—This course is designed to give the student a general knowledge of the essential facts and fundamental laws of the mind.

Text-book: James's "Briefer Course in Psychology."

Junior Class, fall term. Two hours.

7. Logic.—This course is intended to direct the student in practical reasoning and correct thinking in professional vocations.

Text-Book: Hyslop's "The Elements of Logic."

Junior Class, spring term. Two hours.

LITERARY SOCIETIES

There is no part of the college course more valuable than the training derived from taking an active part in a good literary society. It is here that one learns to think and speak while standing, and to grapple with his antagonist in a mental contest.

There are two well organized literary societies, the Decora Palaestra and the "Phi Mu." These societies furnish unexcelled opportunities to students who wish to develop and improve themselves in Elocution, Composition, and Debate. These societies meet each Monday for debate and for such other exercises as come in that line.

Joint debates between these societies are held at intervals during the term. The Champion Debate is held during Commencement week, and forms an important part of those exercises.

One or more intercollegiate debates will be arranged for during the year.

The drill in the use of Parliamentary Law is an important feature of society work, for nowhere can parliamentary usages be so well learned as in well regulated debate.

These societies are valuable auxiliaries to the Department of English and to the literary culture of each of their members, and are so recognized.

MISCELLANEOUS

Students, on arriving, must immediately report at the dormitories and must at once consult the President about arrangements for board and for directions about registration.

The discipline of the College is under the immediate direction of the Commandant of Cadets. Serious offenses against good order are passed upon by the entire faculty.

The Fall Term begins always on the first Wednesday in September, and the Spring Term usually ends the first Wednesday in June.

During the last session we had students from about seventy counties in Georgia. Almost without exception students who spend a year here are greatly improved in health. We have "plain living and high thinking" in the mountains. We encourage athletic sports, but do not allow them to conflict with the student's academic work. The average gain in weight for the past year is about 20 pounds.

The average age of a male student is over eighteen years, and a large majority are young men defraying their own expenses. This is not the school for idleness and frivolity, for fun and dissipation; but manly sports, innocent pleasures, regular physical training for all, hard study and excellence in character are the requisites for all who remain here.

Students who have over ten demerits during the month, unexcused absences, or special violations of discipline, will be required to perform extra duty, which will be instructive in its nature.

The estimate does not include traveling expenses to and from College. Stage fare from Gainesville to Dahlonega is $1.50 for each person and 50 cents for each trunk. Pocket-money depends on individual wishes, but should be moderate.

The special fees are charged only those who take a particular subject and are intended to cover merely the cost of material.

Dormitory boarders should bring the necessary toilet articles, bedclothing, sheets, pillow and pillow-cases.

Some expenses that can not be foreseen, will necessarily occur, but parents and students can feel assured that so far as the College is concerned, everything will be managed on the most economical basis.

This is not a place to spend much money. Parents should not allow over fifty cents a week for pocket-money, and twenty-five cents a week ought to be sufficient. Nor should they pay bills for other than college expenses made by a minor without a written order from them authorizing the same. Citizens are notified not to credit without permission of parent or guardian.

THE CHARLES McDONALD BROWN FUND

From the Charles McDonald Brown Scholarship Fund the institution gets $1150.00 annually. This is to aid worthy young men who are unable to pay their way through college. The applicant must be at least eighteen years of age, in good health, and must reside in one of the following counties: Rabun, Habersham, Towns, Union, Fannin, Dawson, Murray, White, Lumpkin, Gilmer, Pickens, Cherokee and Forsyth in Georgia, and Oconee, Anderson, and Pickens, in South Carolina.

ENTRANCE REQUIREMENTS

In view of the dormitory system of boarding and the military system of discipline prevailing in the college, no student under fifteen years of age will be permitted to enter college unless under the care of parents or relatives in the community.

All applicants for Sub-Freshman B and A Classes will be required to stand written examinations in English, Mathematics, and United States History.

Students are admitted to the Freshman Class either on satisfactory examination in the required subjects, or on the certificate of the Principal of an "Accredited High School."

All entrance examinations will be held during the two first days of the Fall Term.

It is recommended, that cadets express or ship all articles needed in rooms, such as cover, pillow, etc., at least one week before they expect to arrive in Dahlonega. These articles should be directed to the Superintendent of Barracks, Dahlonega, Ga. (via Gainesville).

When this course is followed out the cadet will find the articles placed in his room on his arrival, thus obviating the inconvenience due to delays occasioned by not receiving trunks promptly.

The general control of the dormitories is vested in the President and Faculty, who will make and enforce such rules as may appear necessary to secure the best results.

EXPENSES

Breakage Deposit	$ 2.50
Incidental Fee (per year)	10.00
Books and Stationery (per year)	15.00
Washing, about (per year)	10.00
Library Fee (per year)	2.00
Dormitory Board, about (per year)	100.00
Typewriting Fee (per year)	6.00
Chemistry Fee (per year)	4.00
Blue cap, blue blouse, grey trousers and black shoes	18.75
Two pairs white duck trousers	2.50
Service cap, blouse, trousers, and tan shoes	18.24
One pair leggings	.65
White belt, and half dozen pairs of white gloves	1.75
One-half dozen standing collars	.75
Biological Fee (per year)	2.00
Quantitative Chemistry Fee (per year)	6.00
Soil Physics Fee (per year)	2.00

Students entering College January 5th, the beginning of the Spring Term, are required to pay only a proportional part of the above mentioned expenses.

When no damage to College property is charged against cadet, the breakage fees will be returned at the end of the school year.

Annual expenses are made as economical as possible, and will run from $150.00 to $175.00. When students bring their supplies from home, expenses can be reduced to an amount not exceeding $80.00.

The expenses of the first month of the term include nearly all but the monthly board and washing, and amount to nearly $50.00. In order that a student shall start promptly and efficiently in his class, provision should be made for this.

A student bringing the appointment by his county school commissioner, representative, or senator, will be allowed a credit of $2.50 on his incidental fee, for the term for which he is appointed, thus making matriculation fee $2.50 per term.

Extract from Rules of the Faculty Governing Athletics

RULE No. 1. No person shall participate in any sport as a member of the team representing the North Georgia Agricultural College, unless he is a bona fide student.

RULE No. 2. No person receiving any remuneration whatsoever for his service on the College team, shall be admitted to any athletic contest.

RULE No. 3. The election of managers and captain of all athletic teams shall be subject to the approval of the faculty committee on athletics.

RULE No. 4. No student shall be permitted to take part in any athletic contest who is found to be delinquent in two of his studies, until such delinquency is made up.

RULE No. 5. Before every athletic contest in which the college team is to be engaged, the captain of such team shall submit to the chairman of the faculty committee on athletics a list of each player eligible under the rules to participate in such contest. It shall be the duty of the captain to exclude all players except those certified. It shall also be the duty of the captain of such team to submit to the chairman of athletics a true and faithful list of all players and students accompanying team when games are played off the college campus.

RULE No. 6. Any captain of any athletic team who shall wilfully or otherwise allow a person not a student of the college to participate in any game, representing the North Georgia Agricultural College, shall be deemed guilty of such conduct as merits dismissal from the College.

THE DORMITORIES

The dormitories on the College grounds will accommodate 150 students. Each dormitory will be under the immediate supervision of a resident member of the faculty, thus securing a personal attention to the needs of the students that can be brought about satisfactorily in no other manner.

The system of discipline employed in the dormitories will be, as it is throughout the College, military in its nature, but so arranged as to give to each student all the liberty warranted by continued good conduct and high class standing.

Only bona fide boarding students who are not able to make more economical arrangements elsewhere are required to live in the dormitories.

Students will furnish toilet articles, bed-clothing and pillow. Board will be $10.00 per month of four weeks payable in advance. This will include electric lights.

CADET CAPTAIN IN DRESS UNIFORM.

and bound volumes of magazines to the greatest advantage. The library is also a depository for the publications of the United States government. Specially chosen department libraries are being accumulated for the use of students in parallel reading and investigation.

ELECTION OF STUDIES

A.B., B.S., and B.Ph., students above Sophomore class will be allowed to select their studies, so far as the schedule of recitations will permit, after consultation with a special committee appointed from those members of the faculty with whom the work of these courses is done, the decision of that committee being subject to other regulations regarding irregular courses, number of studies, etc.

All students in B and A classes will be required to take some regular course laid down in the catalogue. Students in the collegiate classes who wish to take irregular courses shall have at least five studies a day, two laboratory periods being counted as one study. Exceptions to this rule will be made only in case of students who file with the chairman of the committee on courses the college surgeon's certificate of physical inability.

COLLEGE ATHLETICS

All forms of healthful athletics are encouraged by the College faculty so long as they do not interfere with studies and other duties. Football, baseball, track work, basket-ball and tennis are the most popular games. Occasional tramps to the beautiful waterfalls and streams are taken when accompanied by a faculty member.

A well equipped athletic field adjoining the College campus affords sufficient room for the playing of college games. Athletic instructors are employed for the purpose of carefully superintending and instructing the various teams. No student is permitted to participate in athletics until he or she has been subjected to a physical examination.

April 1st is observed as a holiday for the contest in track and field athletics such as running, hurdling, high and broad jumping, pole-vaulting, hammer and discus throwing, putting the shot, punting the football, etc. This day is known as "Field Day."

The open climate of North Georgia makes outdoor sports possible and attractive practically throughout the year. Tennis is played all winter, track and baseball practice may be begun as soon as the football season is over.

The purpose of the organization of the Athletic Association at the North Georgia Agricultural College is primarily to encourage the development of the physical man.

The association as formed consists of the N. G. A. C. Football Club, the N. G. A. C. Baseball Club, the N. G. A. C. Tennis Club.

All regular students of the Institution are eligible to become members of the Athletic Association.

COLLEGE GROUNDS AND BUILDINGS

The College campus and farm consists of forty acres, beautifully located and well situated for college purposes. The main college building is located on a high knoll overlooking the town. In front is a pretty lawn gently sloping toward the center of town. In the rear are located the drill grounds, the athletic field, and the college farm, all conveniently located, and afford ample space for the purposes for which they exist.

The main building, which stands on the exact site of the old United States mint, contains twelve lecture rooms and offices, the college chapel, armory, and the two literary society halls. Each of these contains suitable furniture and apparatus. In the basement are located the Business Department, the office and orderly room of the Military Department. On the first floor are the Departments of English, History, Ancient Languages, Pure Mathematics, and French and Art.

To the right of the main building is located Bostwick Hall, the gift of Mr. J. H. Bostwick of New York. This building was completed in 1999. On the first floor are the President's office, the department of Applied Mathematics, and the Library. On the second floor are located the departments of Science and of Agriculture together with their laboratories.

Next beyond Bostwick Hall is situated what is known as "the Girl's Dormitory" which contains the office of the Superintendent of Barracks and comfortably furnished rooms for about fifty students.

To the rear of this is the new dormitory which was completed in 1907. This building is steam-heated and electric lighted, and contains well arranged and comfortably furnished rooms for about one hundred students.

The Mining Department occupies a temporary building across the drill field from the main building. In this building are the office, lecture room, drafting room, mining laboratory, assaying laboratory, and shop of this department. This building is not pretentious but on visiting this department one can not fail to be impressed with the great importance of the work done here.

THE COLLEGE LIBRARY

The students have the use of a carefully selected library under the general supervision of a committee from the faculty, with a librarian regularly in charge. Nearly all the books have been chosen specially for the students, and new purchases are made twice a year from a fund appropriated for this purpose. A liberal selection of the best current literature, and the leading daily papers of the state are available to the students in the reading-room. A complete card catalogue and an index to periodical literature enable students to use the books

A GROUP OF GIRLS.

GENERAL INFORMATION

ORIGIN AND PURPOSE OF THE COLLEGE

This College owes its origin to the Act of Congress of July 2, 1862, entitled "An Act donating public lands to the several States and Territories which may provide colleges for the benefit of agriculture and mechanic arts." The Act contemplates the "endowment, support and maintenance of at least one college, where the leading object will be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislature of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes."

The fund having been received by the State, the interest of it was placed under the control of the Trustees of the University by which the North Georgia Agricultural College became a department of the University, the title of the above property being conveyed to the Trustees of the University on the conditions specified in the donation, the Trustees of the University appointing the President of the College, making a certain allowance for its support, to wit: $2,000 annually, and exercising over it a general supervision.

LOCATION

Twenty-five miles north of Gainesville, nestled among the foot-hills of the Blue Ridge Mountains and surrounded by many of Nature's most pleasant charms is situated a college and gold mining town bearing the beautiful Indian name, Dahlonega. Here, sixteen hundred feet above sea level, with breezes fresh from neighboring mountains and water as pure and clear as the morning dew, is located the North Georgia Agricultural College. It may be truthfully said that the mountain air is a tonic and the sparkling water a panacea. The town being situated on a plateau almost surrounded by mountains, the winter climate is mild and reasonably dry; in spring, summer and autumn it is ideal. The town is unusually free from bad influences. Students who come here are comparatively free from the common vices of city life and are under the over-shadowing presence of the "everlasting hills," a silent, but not the less potential influence for good over the lives of young people that nobody has ever yet clearly explained.

FACULTY COMMITTEES

Discipline

George W. Camp, Chairman

Capt. F. S. L. Price — J. W. Boyd

Dr. G. R. Glenn — J. C. Barnes

Course of Study

E. B. Vickery, Chairman

J. W. Boyd — J. C. Barnes

Dormitory

J. W. Boyd, Chairman

George W. Camp — A. S. Rowland

Library

Benjamin P. Gaillard, Chairman

George W. Camp — W. J. Bradley

Athletics

Louis M. Richard, Chairman

W. J. Bradley — C. F. Niven

Brown Fund

J. W. Boyd, Chairman

B. P. Gaillard — E. B. Vickery

Catalogue

George W. Camp, Chairman

Dr. G. R. Glenn — B. P. Gaillard

C. F. Niven — L. M. Richard

CADET BATTALION AND CADET BAND.

Faculty and Officers

1908-1909

DAVID C. BARROW, C. & M.E.
Chancellor of the University

GUSTAVUS R. GLENN, A.M., LL.D., President
Professor of Philosophy

BENJAMIN P. GAILLARD, A.M., Vice-President
Professor of Chemistry, Physics, Geology

E. B. VICKERY, A.M., Secretary
Professor of Latin Language and Literature

J. W. BOYD, A.M.
Professor of Mathematics and Astronomy

GEORGE W. CAMP, A.B.
Professor of English Language and Literature

J. C. BARNES, B.S.
Professor of Pure Mathematics

W. J. BRADLEY, A.M.
Professor of History

C. F. NIVEN, B.Agr., M.S.
Professor of Agriculture

MISS MARY MERRITT, A.B.
French and Drawing

S. B. ROWLAND, B.B.S.
Professor of Business Science

LOUIS M. RICHARD, MET. E.
Professor of Electrical and Mining Engineering

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Domestic Science and Physical Culture

PROF. EDWARD STEINER
Musical Director

FREDERICK S. L. PRICE, Captain 8th Infantry U. S A
Commandant of Cadets

MISS LEE ANNA WORLEY
Librarian

HOMER HEAD, M.D.
College Surgeon

CALENDAR, 1909-1910

Fall Term Begins	September 1, 1909
Entrance Examinations	September 1-2
National Thanksgiving	November 25
Christmas Holidays	December 22 until January 5, 1910
Lee's Birthday	January 19
Fall Term Ends	December 31
Spring Term Begins	January 1
Field Day	April 1
Decoration Day	April 26
Annual Meeting of Board of Trustees	Friday, May 27
Commencement Sermon	Sunday, May 29
Commencement Day	Wednesday, June 1

BOARD OF TRUSTEES

H. H. Perry, Vice-President	Gainesville
J. F. Moore	Dahlonega
A. J. Cavender	Dahlonega
R. H. Baker	Dahlonega
F. Carter Tate	Jasper
Preston S. Arkwright	Atlanta
W. B. McCants	Winder

Thirty-Seventh Annual Catalogue

OF THE

North Georgia Agricultural College

(Department of the University of Georgia)

AT

DAHLONEGA, GEORGIA

CHARTERED A. D. 1871

The First Normal College Course Authorized by the State
(Act of 1877)

1908 - 1909

Announcements

For

1909 - 1910

FACULTY.

use of the art. Phonography furnishes a fine "stepping stone" for full acquaintance with the business in which you are employed thereby putting you in line for promotion when a vacancy occurs.

1. SHORTHAND.—The work consists of reading and writing all the shorthand exercises that are given in the text with special reference to the fundamental principles of shorthand. Word and sentence dictation.

Sophomore year, first and second terms. Five hours per week.

Text-book: Graham's "Standard Phonography."

2. SHORTHAND.—Review of text-book and word signs. Letter dictation from different kinds of business. Transcript from shorthand notes, letter-press copying, manifolding, and mimeographing. Actual office practice.

Junior year, first and second terms.

Work in the other subjects named in the outline is largely lectures upon which the student takes notes. These courses are made as comprehensive as possible in the time allotted.

The courses pursued in the Sub-Freshman years are the same as all other courses except that Spelling and Penmanship are given instead of Latin.

DEGREE

A Degree of Bachelor of Business Science (B.B.S.) is conferred upon those students who finish the three-year course of study as outlined in the schedule. Students finishing two years' work will be given a certificate.

Department of Mines

ARTICLE I--ANNOUNCEMENT

1. The School of Mines of the North Georgia Agricultural College has been established primarily for the purpose of giving thorough scientific education, both practical and theoretical, to men studying for the profession of the mining and metallurgical engineer, the assayer, the consulting geologist. The desire is to train men to take a more active part in the winning of the mineral wealth of the state and nation.

2. SITUATION.—Dahlonega is most fortunate as the seat of a mining school. Situated in the heart of the great gold belt, there is within a radius of five miles several of the largest, most extensively equipped stamp mills in the United States. Within a few hundred yards of the school is situated the fifty stamp mill of the Crown Mountain Gold Mining Co., whose works are always accessible to students of The School of Mines. To the east within walking distance is the plant of

the Consolidated Gold Mining Co., a fine example of an up-to-date one hundred and twenty stamp mill. It has in connection an Edwards roasting furnace of a capacity large enough to handle the concentrates from more than 36 vanners. By courtesy of the management the students have access to all these plants.

3. Environment.—The nearer a School of Mines is to a neighborhood of mining, the nearer such a school is to the atmosphere of mining operations, the more potent we find its influence. Nature herself could not have selected a spot more suitable for a mining school than Dahlonega. Dr. Glenn and the Trustees of the North Georgia Agricultural College have been keenly alert to the existing environment which harmonizes with the work of the mining student both present and future. The mineral possibilities of the country in and around Dahlonega and especially to the north is very great. Rare opportunities are here offered to the student of mineralogy and geology. Rocks of various geologic age are here extremely well represented and economic deposits of many rare and valuable minerals exist in varied form.

4. Instruction.—The method of instruction includes lecture, textbook, laboratory and recitation work.

The metallurgical laboratory equipment is especially good, consisting of muffle and wind furnaces, jaw and gyratory crushers, samplers, classifiers, gold and silver balances, etc. The course in Assaying and all Metallurgy is especially strong.

5. Minerals.—A working and a museum collection of hundreds of specimens gathered from home and abroad makes the department of mineralogy extremely interesting.

6. Drawing.—Mechanical Drawing as applied to all the phases of engineering receives our close attention. The drawing department is well equipped with tables, etc., the course ranks second to none in the United States.

7. Resume.—With all these advantages we feel justly proud and can conservatively proclaim The School of Mines of The North Georgia Agricultural College as offering advantages for the study of Mine Engineering as are rarely met with at any one place.

ARTICLE II--REQUIREMENTS FOR ADMISSION

1. The classes in the School of Mining are open to all who are proceeding to a diploma or a degree. Students are required to pass the Matriculation Examination or an equivalent thereto, and must follow the courses as hereafter mentioned.

2. Registration.—All students are required to show their entrance tickets and paid up laboratory fees before they will be registered for work in this course.

3. Admission by Examination.—Students who desire to become candidates for a degree are admitted on examination in the following subjects:

English.
Arithmetic and Metric System.
Bookkeeping.
Algebra, through Quadratic Equations.
Geometry—Plane, Solid and Spherical.
Physics or Chemistry.
French or German.

4. Admission by Diploma.—Candidates who are graduates of the proper course of a high school, the grade of whose work is on a par with that of this institution, will be admitted upon presentation of diploma.

5. Admission to Advanced Standing.—Graduates of approved colleges are admitted upon presentation of their diplomas or certificates of graduation.

6. Special Arrangements.—In many cases persons who have been engaged in practical work and desire to better their condition by systematic training and who are not candidates for a degree may be permitted to take special studies. Such men often prove to be among the best students since they realize clearly the purpose of their work and the value of time.

7. Attendance.—Students are required to attend 80% of class lectures before permission will be given to write on examinations and 80% of laboratory hours before work will be certified. Exemption from this rule can be obtained only on application to the faculty.

8. Courses.—All students must take the subjects required in their courses in conformity with the calendars of their years of attendance. If a student wishes to change his course he must first obtain permission of the faculty.

9. Degrees.—The School of Mines offers the degree of Engineer of Mines, E.M.

The conditions under which this is given is as follows:

To obtain this degree the student must have been a resident student of this institution for at least one full year prior to graduation.

All students for the above degree of Engineer of Mines are required to have had at least two years training in both Geology and Principles of Mining.

The course is strictly a four years course.

ENGLISH

There is a growing appreciation of the value, in practical affairs, of the ability to use language with ease, clearness, and forcefulness. The

FIELD MUSICIAN IN SERVICE UNIFORM.

importance of English composition as a mental gymnast is being acknowledged as never before, and more and more, instructors in technical schools are recognizing the fact that it is an essential part of an engineer's education.

NOTE: See Department English 5 and 6.

MATHEMATICS

1. ALGEBRA.—The course begins with a review of Quadratics, continuing with the Theory of Equations, Probability Series, Binomial Theorem and a thorough study in Series.

Freshman year, first term. Five hours per week.

Text-book: Wentworth's "College Algebra."

2. TRIGONOMETRY.—Plane and spherical trigonometry, including a working knowledge of Logarithms and the use of tables. Many practical problems are given to the students to be worked out.

Freshman year, second term. Five hours per week.

Text-Book: Wells' "Complete Trigonometry."

3. ANALYTICAL GEOMETRY.—The point, straight line and circle are treated quite fully, the conic sections are defined, and the general theorems (relating to tangents, normals, poles and polars, and diameters) are derived. The Conic Section. The nature of the conic corresponding to the general equation of the second degree is determined. Solid Analytics are studied with a view to the analogous forms or equations in Plane and Solid.

Sophomore year, first term. Five hours per week.

Text-Book: Ashton's "Plane and Solid Analytic Geometry."

4. CALCULUS.—Differential Calculus. Differentiation; also the general nature and use of Integral Calculus is explained. Regular courses, I, II, III and IV in Mathematics.

Sophomore year, second term. Five hours per week.

Text-Book: Murray's "Infinitesimal Calculus."

5. CALCULUS.—Integral Calculus. A continuation of Course 4 in which integration of various functions with its application to plane curves, areas, surfaces, volumes, centers of gravity, moments of inertia, is taken up.

Sophomore year, first term. Five hours per week.

Text-Book: Murray's "Infinitesimal Calculus."

MECHANICAL SECTION

1. MECHANICAL DRAWING.—All efforts during the early part of the work are directed toward making the student thoroughly acquainted with, and exercised in, the proper use of his drawing instruments and drafting supplies in general. The work then proceeds with mechanical

and free hand lettering, line shading, tinting, shading with tints, and conventional tints for different materials. There are eight of these mechanical sheets, a title page for the mechanical sheets and a title page for the descriptive geometry sheets. These two title pages may be a part of the second term's work.

It is desirable that students taking preparatory work in the lower courses, take an elementary course in this work such as given for the B.S. students. (Optional.)

The instruction in the art of drawing is designed to give prominence to such branches of the subject as are of most value to the practicing engineer. It is required that the instruments used shall be of the best. The following are required:

One 5½-inch compass.
One 3¼-inch bow spacer.
One 3¼-inch bow pencil.
One 3¼-inch bow pen.
One 5-inch ruling pen.
One 30°-60° triangle.
One 45° triangle.
One curve.
One 30-inch T square.
Two bottles of ink.
Eight thumb tacks.
Three rubbers.
Two pencils.
Twelve pens.
One penholder.
Penwipers.
Chamois.
Cloth board-covers.
One file pencil-sharpener.
One 15-inch adjustable curve.
One 12-inch white-edged scale.

CIVIL SECTION

1. Surveying.—Instruction is given in the theory of the adjustment of the transit and level, the principles of land surveying, topographical surveying and railroad work. The theory of the Plane Table and also that of the Aneroid Barometer are given.

Plane Surveying one month at the close of the school year.

Text-Books: Johnson's "Theory and Practice of Surveying," Pence and Ketchum's "Surveying Manual."

(*a*) Field Surveying.—The course consists in adjusting instruments, traverse surveys, calculation of areas and distances, stadia

work and the laying out of a short railway line. All the problems are plotted in the office and the calculations made in a regular book kept for that purpose.

Sophomore year, second term.

Field and office work one month at the close of the Freshman year.

(*b*) Mine Surveying.—Under this head will be considered the theory of the determination of the true meridian by means of the various solar attachments and by direct observation of the sun and of a circumpolar star; a careful discussion of the principles and methods used in locating and patenting mining claims, and in underground surveying, will be given. The lectures delivered on these subjects enter into the detail with which they are connected and touch upon the Mining Law relating to surveyors and the patenting of mining property. The remaining time will be devoted to the outlines of the subject of geodetic surveying.

Sophomore year, second term. Two hours.

2. Theoretical Mechanics.—This course consists of the theoretical study of mechanics and materials. Statics of a material point and of rigid bodies; centers of gravity; chains and cables; moments of inertia of plane figures, stresses and strains, tension, shearing, compression, torsion, flexure, combined torsion and flexure, elastic curves, safe loads, applications to commercial forms, oblique forces, columns, continuous beams. Dynamics of material point, Impact, Virtual Velocities, Centrifugal and Centripetal Forces, Moments of Inertia of Soils, Pendulums, Dynamics of Rigid Bodies, Work, Power, Energy, Fly-Wheels, Friction, Dynamometers, Belts.

Junior year, second term. Four hours per week, lectures and recitations.

Text-book: Church's "Mechanics of Engineering with Notes and Examples," "Cambria Steel Hand Book."

3. Mechanics of Materials.—Theory of stress, strain, and elasticity and its application to the design of members of machines and structures; a discussion of the properties of the materials of engineering construction.

Junior year, second term. Three times per week.

4. Hydraulics and Hydraulic Motors.—This course is given partly by lectures, and partly by recitations; it embraces hydrostatics, the flow over wires, through orifices, through pipes, flumes, ditches and conduits of various forms. It also includes an elementary study of the various types of hydraulic machinery.

Senior year, first term. Five times per week.

Text-books: Church's "Mechanics of Engineering," and Hydraulic Motors."

5. Contracts and Specifications.—This course is designed to give the student enough knowledge of the subject to set firmly in his mind the need of a lawyer in case of large undertakings; to show him the position of the engineer as an expert witness and to give practice in the writing of specifications.

Senior year, second term. Three hours per week.

Text-Book: Johnson's "Contracts and Specifications."

METALLURGY

The work in this department is designed and planned to give students a thorough and systematic training in the art of all branches of Metallurgy.

With the limited time at our disposal it is impossible to give students the skill coming from long practice, but it is the aim of this department to train men to become useful immediately upon their entrance into the practice of their chosen profession. All metallurgical courses a e accompanied by metallurgical problems which give the student a technical command of the subject.

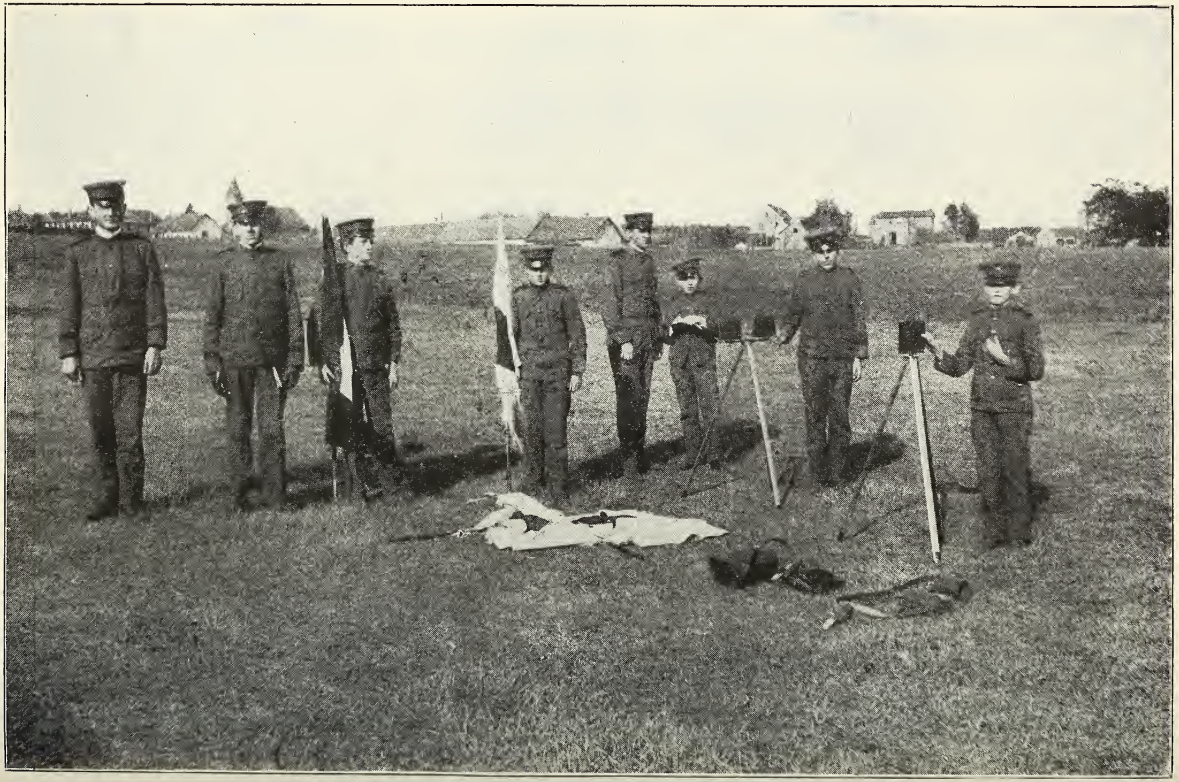
I. Assaying.—Lectures and recitations once a week, sixteen weeks, winter and first half of spring term, and one hundred and twenty hours of laboratory work, including half an hour daily recitations. To be preceded by Qualitative Analysis and Mineralogy.

The Fire-Assaying comprises: Assay of ores and metallurgical products for silver, gold and lead by scorification and crucible methods; also the essay of silver bullion, base bullion, of rich silver sulphide for gold and silver, of cyanide solution for gold, of copper for silver and gold, and the assay of ores and products containing metallics.

Metallurgy.—This course is arranged to meet the requirements of the mining engineer, as well as for those who are intending to specialize in metallurgy.

The instruction covers the following:

1. Ores, their characteristics, classification and qualities.
2. Sampling of Ores and products.
3. Preparation of Ores, crushing, and the kinds of fineness of crushing.
4. Combustion, Fuels, natural and artificial, manufacture of fuels, gas producers and apparatus.
5. Roasting of Ores and Roasting Furnaces and the Chemistry of Roasting.
6. Refractories.
7. Gold Milling, Roasting, Cyaniding, Chlorination.
8. Silver. Ores and their occurrence. Roasting, Hyposulphite leaching, Russell process. Cyaniding of silver ores.



SIGNAL DETACHMENT

9. Copper. Ores of Copper. Roasting, blast furnace matte smelting, pyritic smelting, reverberatory matte smelting. Smelting of oxidized copper ores to pig copper. Copper converting. Hydrometallurgy of Copper.

10. Lead. Lead and its ores, classification and sampling. Crushing, roasting, and bedding. Smelting lead ore for lead only. Calculation of charges. Cost in smelting.

II. Fuels, Iron and Steel.—Historical sketch. The relation of Metallurgy to Chemistry. Properties of the metals, alloys, brasses and bronzes. Thermo-treatment of metals. Fuels in the solid, liquid, and gaseous state; their occurrence and manufacture.

Refractory materials, their occurrence, properties, manufacture and uses. Pyrometry and Calorimetry. Furnaces, different types used for various metallurgical operations. Blowing apparatus. Hot Blast stoves. Typical metallurgical processes. Sampling of ores and metallurgical products. Roasting of gold, silver, copper, lead, zinc, and iron ores.

This is followed by the metallurgy of iron and steel from the ore in the mines through the various processes of the modern steel works to the commercial products viewed on every side.

Junior year, first term. Five hours per week.

Text-books: Sexton's "Refractory and Fuel Materials," Greenwood's "Steel and Iron."

3. Lead and Zinc.—This course is a lecture course with short quizzes every week. The kinds of ores, methods of handling and treating them in different localities, together with detail work on the smelter layout covers this ground thoroughly. Appropriate trips will be taken during the work.

Junior year, second term. Five hours per week.

4. Ore Dressing.—A detail study of the handling of ores and getting them into shape for metallurgical treatments. Crushers, stamps, jigs, screens, concentrators of various descriptions, stamps and the detailed study of mill construction and arrangement is made. Work in neighboring mills will be arranged so that students will have practical experience in this line of work.

Senior year, first term. Five hours per week in class-room; two hours per week laboratory.

5. Metallurgy of Gold.—Occurrence and properties. Various processes of extraction. Stamp Milling. Extraction by amalgamation. Extraction by Chlorination. Extraction of Cyaniding. Arrangements of plants and typical mills. Melting and refining of gold and parting of gold and silver bullion.

6. Metallurgy of Silver.—Occurrence and properties. A general discussion of various processes for the extraction from ores. The Patio process. The Washoe process. The Combination process. The

roasting and pan amalgamation. The Boss process. Wet processes. Refining of silver bullion. Purchasing, sampling and testing.

7. The Metallurgy of Copper.—Smelting in reverberatory and blast furnaces. Pyritic matte smelting. Concentration of mattes by various processes. Wet processes of treating mattes and ores. The study and calculation of the furnace charges, and slag. Bessemerizing. Process of refining in reverberatories and electrolytic refining.

Senior year, second term. Five hours per week.

Text-Books and References: Rose's "Metallurgy of Gold," Collins' "Metallurgy of Silver," Eggleston's "Metallurgy of Silver," Schnabel's "Hand Book of Metallurgy," Richards' "Stamp Milling of Gold Ores," Peters' "Modern Copper Smelting," Long's "Matte Smelting."

8. Zinc.—The Ores of Zinc, Roasting, Retorting and furnaces.

9. Estimates of works or plants, profit of plants, etc.

Metallurgical Laboratory Practice

10. Senior year, fall term. Three hours a week.

The instruction comprises laboratory and recitation work as follows:

Amalgamation.

Leaching methods for the extraction of gold, silver and copper.

Properties of refractories.

Properties of copper.

Roasting, oxidizing, etc.

Metallurgical calculations.

Metallurgical Problems.—This course has reference to the designing and proportioning of various types of furnaces for special duties and conditions. It will call for a clear conception of metallurgical principles.

Senior year, first term. Three periods.

The Alternative, Electrometallurgical Problems will cover the design and estimates for a copper or copper-nickel refinery.

MINERALOGY

The work in this department is intended for students taking the course of mining engineering and metallurgy.

1. Mineralogy.—The work in this class intended as a preparation for those entering upon the studies of geology and petrography, mining and metallurgy. The class should be taken after Junior chemistry and Junior physics. A knowledge of Chemistry and Physics is necessary for a proper comprehension of the subject. The regular work consists of a course of lectures and demonstrations on crystallography at the beginning of the fall term, illustrated by lectures on the physical and optical properties of minerals, the description of about forty prominent Georgia minerals, practical work in the determination of these by means of the blowpipe and field tests.

Each student is supplied for the session with a quantity of minerals for which he is held responsible. The practical work of the class is conducted in the mineralogical and blowpipe laboratory, where are located the specimens of commonly occurring minerals. Students are taught to recognize minerals by simple field tests, such as form, color, streak, hardness, specific gravity, etc. For this work students must provide themselves with a pocket lens, knife, streak plate and magnet.

Students are urged to make use of the museum and of the extensive collection of rock and mineral specimens provided for them in the mineralogical department.

Freshman year. Three times per week.

Text-Books: William's "Crystallography," Miller's "Minerals and How They Occur."

Books for Reference: Eakes "Tables," Moses and Parson's "Mineralogy, Crystallography and Blowpipe Analysis," 2nd ed., Kelbeek's 6th ed. of Plattner's "Probirkunst mit dem Lothrohre."

Books from the Department Library and from the Professor's private library may be obtained from the Professor.

2. MINERALOGY.—The work of this class is intended for those taking advanced work in geology, petrography, and determinative mineralogy.

The regular work consists of a course of lectures, two hours per week, dealing with the physical properties, etc., of minerals, illustrated by specimens from the lecture cabinet. Essays on prescribed subjects are required.

Text-book: Dana's "Text-Book of Mineralogy" 1906. (Wiley & Sons).

Books for Reference: Miers' "Mineralogie, Tschermaks' "Mineralogie," Brauns' "Mineralreich."

Sophomore year. Five times per week.

3. MINERALOGY.—"*Economic Mineralogy*"—A course of lectures, treating of the occurrence and uses of minerals.

The following minerals and mineral substances will be treated: Petroleum, Asphalt, Graphite, Diamond, Corundum, Feldspar, Kaolin, Mica, Asbestos, Phosphates, Gypsum, Nitre, Borax.

The requirements of the courses I and II will be specified at the beginning of the Fall term.

1. CRYSTALLOGRAPHY.—The course is intended to give a thorough comprehension of the fundamental principles of the subject with a view to utilizing this knowledge for the practical determination of minerals. Instruction is given through lectures followed by laboratory practice, and through individual quizzes. The material presented covers the six crystal systems and most of the semi-hedral and tetra-hedral divisions. The practical work embraces the study and determination of wooden crystal models, and the identification of crystal forms on natural crystals.

Freshman year, first term. Three periods a week until Christmas.

Text-Book: Patton's "Lecture Notes on Crystallography."

2. Blowpipe Work.—In this course only the most characteristic relations of the more commonly occurring elements are presented, namely, those which will be found necessary for the proper determination of the minerals presented in the course in Determinative Mineralogy.

Sophomore year. Thirty hours total.

Text-Books: Moses and Parsons' "Mineralogy, Crystallography and Blowpipe Analysis."

3. Lithology.—The course is elementary in character; the igneous rocks are studied with reference to texture and mineral composition, and the sedimentary rocks with reference to structure and composition.

Sophomore year, second term. Laboratory work, one afternoon per week.

Text-Book: Kemp's "Handbook of Rocks."

GEOLOGY

The instruction in this department is adapted to the needs of the prospector, the mining engineer, and the professional geologist. Provision is also made for persons who desire a knowledge of the subject as a part of a general education. Graduates and others who wish to pursue some special line of investigation, or who desire to work up material collected by themselves, will have every facility placed at their disposal.

Students have access to the Geological and Mineralogical museum, which contains a large number of specimens illustrative of petrography, palaeontology, economic minerals, and general geology of The United States and especially of the State of Georgia.

Advice concerning field work in Geology during the summer vacation will be given by the Professor.

Working hours will be arranged to suit the class at the beginning of the Fall term.

1. General Geology.—A study will be made of structural and dynamical Geology in connection with their bearings on economic problems.

Opportunities will be offered for those wishing to prosecute any special line of investigation. Students are advised to devote as much time as possible to field work during the preceding long vacation. Students are expected to supplement their reading by a study of the collections given below.

Entire Junior year, first term, five times per week; second term, five times per week.

Text-books: "Elements of Geology," (Norton). Chamberlain and Salisbury's "Geology," Vols. I, II and III. "General Geology." (Scott).

Books for Reference: Geikie's "Field Geology," Zittel's "History of Geology," Nicholson's "Palaeontology," Zittel's "Palaeontology," Dana's "Manual of Geology."

2. Economic Geology.—Students are required to take part in the excursions to various mines in the neighborhood of Dahlonega.

Lectures on the origin, modes of occurrence and uses of metals and their ores; materials used in the production of light and heat; minerals used in chemical manufacture; salt, brine, mineral waters, cements, refractory materials, abrasives, gems and precious stones.

Text-Books and Books of Reference: "Economic Geology of the United States," (H. Ries). "Nature of Ore Deposits," Beck (Weed's Translation). "Ore Deposits of the United States and Canada," (Kemp).

Senior year, three times per week.

3. Geological Surveying.—This work comprises instruction along the general plan of geologic survey as carried on by the United States Geological Survey. Maps, folios, etc., are studied and practical field work takes place in the Spring term.

Senior year, second term. Lectures, two times a week.

4. Rocks and Rock Weathering.—This course is intended for students who are regular students in the School of Agriculture but who desire to obtain more special training along lines of soil and soil disintegration, etc.

The occurrence, composition, texture, structure, and alteration of rocks to soil will be considered in detail.

Books for Reference: "Rock Weathering and Soils." (Merrill).

5. Field Classes in Geology.—The attention of students and others is called to the practical study of geology, mineralogy, and prospecting methods. Some of the chief mineral localities of the Dahlonega District are visited each session and abundant opportunities are offered for collecting specimens and studying modes of occurrence of substances of economic value.

MINING SECTION

Mining.—This course may be outlined as follows: Hoisting, under which will be considered, motive powers, ropes, gallows-frames, receptacles and safety appliances and pneumatic hoisting. Haulage; a discussion of the different systems of underground and surface transportation, including aerial ropeways. The drainage, ventilation and lighting of mines. Explosives, the theory of blasting, pointing and charging holes; methods of firing. Methods of breaking ground. Boring, diamond-drill work, and the percussion methods. Instruction is given in methods of shaft sinking, tunneling, mine timbering and exploita-

tion, hydraulic mining, ore deposits, mine management and the employment of labor, mine examinations, sampling of ore bodies, estimation of the ore which can be measured, and the valuation of mining properties.

Elementary Mining.—This short course is primarily to outline the principles on which the science of Mining Engineering is based, and is designated to introduce the student to fundamentals which will enable him to appreciate the applications of other studies of the Freshman and Sophomore years.

Freshman year, lectures first term, four hours per week; second term, three hours per week.

Ore Deposits.—Conditions which produce and indicate them; their nature and origin; their affinity with certain conditions and rocks, and their classification. These lectures are supplementary to the study of economic Geology.

Prospecting.—Methods used in prospecting for lode, placer and coal mines. Location, laws and requirements of mineral prospects and their examination.

Mine Development.—Preliminary consideration of conditions affecting the probable success or failure of mining operations in any particular locality; fuel, water, food supplies, transportation facilities and costs. Location of development workings. Choice of methods of approach. Blocking out the ore for measurement. Systematic methods of obtaining accurate samples of ore, "in place" and on the dump. Methods of estimating the value of the mine.

Boring.—Use of bore holes. Methods of boring. Boring by percussion. Methods by rods and by ropes. Boring tools, casing, recovery of lost tools, etc. Rotary boring. Earth augers. Diamond drills worked by hand and by machinery.

Excavation.—Tools for breaking ground. Hand tools, machine tools, steam excavators and maintenance. Theory and practice of blasting. Kinds and effects of explosives. Location of holes. Charging and firing holes, singly, simultaneously, and in series. Precautions in blasting. Substitutes for explosives.

Mining Methods.—Works for approach and underground communication. Shaft sinking. General principles. Protection of shaft mouth. Methods of sinking, ventilating, hoisting and unwatering during sinking. Winzes—location and methods of sinking and upraising. Tunnels, drifts, gangways, adits, slopes, contour levels. Advancing by single breast, and by benches. Trimming up and maintaining alignment.

Works for winning minerals. Stopping. Overhand and underhand stopping methods; their application and limitations. Crosscut methods for wide veins. Contouring, and application of cross-cut methods to masses. Stripping. Methods suitable for soft ore bodies. Pillar

and breast methods and their variations. Long-wall advancing and retreating methods. Methods applicable to steeply inclined coal seams. Chuts; "ore mill," loading bins, staging for overhand work, storage of "deads" or waste, gob walls, robbing of pillars, etc.

Junior year, first term, one period per week; second term, three periods per week.

Placer Mining.—Includes work as carried on by individual miners; by use of hydraulic equipment and by dredging.

Supports.—Timber, kinds of timber used for supporting excavations, dry rot, processes used for the preservation of timber, modes of timbering levels, shafts, winzes, stopes and other excavations, masonry and iron or steel supports for similar purposes, special methods of support in the cases of watery and running strata, compressed air, freezing and other processes, saving of timber resulting from the adoption of saving and filling methods.

Transportation.—Underground. Wheelbarrows, their limit of efficiency. Cars—types, capacity, and maintenance. Tracks—gage; weight of rail; ballasted and unballasted and paved; turnouts; turn-tables and plates, cross-ties; sectional portable track. Haulage; man and animal power; rope traction by single, main and tail and endless rope, gravity roads; chain traction; underground locomotives; electric traction. Surface transportation; electric and endless cable traction; aerial wire rope tramways—single and double rope systems.

Hoisting.—Head frames, temporary and permanent. Winding drums and engines—types and efficiency. Koepe endless rope system of hoisting. Cables—kinds, efficiency, maintenance and inspection. Buckets; kibbles; cages; skips. Safety appliances to prevent fall of cage or skip; to prevent overwinding. Signalling.

Interior View of Power Plant

Loading and Unloading Works.—Dumping frames or chairs; tipples; elevating and conveying machinery for handling ores and coal; terminal facilities.

Drainage.—Preventing access of surface water; adits or draining tunnels; siphons; removal of water by winding machinery; pumping plant; Cornish system; steam, compressed air and electrical pumping; bulkheads.

Ventilation.—Composition of air; gases met with underground; causes of the deterioration of air; dangers of dust; natural ventilation, its limitations; ventilation by furnaces; mechanical ventilators of various kinds; distribution of air through the workings; method of testing the purity of the air; fire damp detection; methods of measuring and recording the volume of air passing through the workings.

Lighting.—Candles; lamps fed by tallow, and by animal, vegetable or mineral oils; safety lamps, gas and electric lamps; expense of lighting.

Descent and Ascent.—Steps and slides; ladders; winding machinery; safety appliances; man-engine.

Principles of Employment.—Day wages; contract work by weight or measure; contracts in which men have an interest in the values of the minerals extracted; administration, organization and business management; mine accounts.

Legislation.—Special acts relating to mining properties and their operation.

Accidents.—In hoisting, traction, roof falls, blasting, sudden ingress of waters, explosion, mine fires; rescuing of miners under various conditions; fire extinguishment, etc.

Elements of Ore Dressing.—A course in the principles of the mechanical movements underlying the operation of Ore Dressing Machinery. The course consists of a series of lectures on Shafting, Pulleys, Belting, Power, Transmission, and Mechanical Movements for obtaining uniform, intermittent, and variable motions; a short discussion of the more common fittings used in the transmission of air and steam, and a brief description of the various machines and apparatus in use for the crushing, classification, and concentration of the more important ores. Numerous problems are given the students to illustrate the principles discussed.

Lectures: Senior year, first term. Five lectures per week.

Text-book: Richards', "Ore Dressing."

SHOP PRACTICE

Forge Work.—This work begins with simple exercises in drawing, upsetting, bending, twisting, punching and welding. The work gradually becomes more difficult such as making eye bolts, tongs, chains, etc. Tool-making is then taken up by making hammers, chisels, screwdrivers. This work is fully illustrated by means of drawings and lectures covering the properties of iron and steel. Extreme care is given to make the student familiar with the most useful grades of steel and the correct shape and temper necessary for the best work in cutting iron, brass, stone, etc. The final work is the making of rock drills and testing of same on grades of rock of different degrees of hardness.

Sophomore Class, throughout the day on Monday's.

Mechanical Drawing.—The student is here given practice in Geometrical Construction until he is familiar with the nature, care and use of drafting instruments. Then, after studying the principles of orthographic projection, intersection, and development, he is thoroughly drilled in free-hand lettering. The course is completed with one term of machine drawing. In this the student is required to make sketches, details and assembly drawings of machines.

Freshman. Six hours throughout the week.

SURVEYING SCENE.

Machine Drawing.—This course is a continuation of the work in Mechanical Drawing taken up in the Freshman year. This work treats of the more complicated parts of machinery, covering gears, power transmission, mechanism and machines used especially in Milling and Ore Dressing.

Required of all mining students.

COURSE--MINING ENGINEERING

Freshman Year.

	Time in periods per week. First Term	Second Term
Lectures and Recitations:		
Algebra	5	
Trigonometry		5
General Chemistry	5	5
Elementary Mining	4	3
Crystallography and Mineralogy	3	3
Mechanical Drawing	2	2
English (See Eng. 5 and 6.)	5	5
Gen. Chemistry Lab.	1	1
Mineralogy Lab. (See Bulletin.)		
	25	25

Sophomore Year.

Lectures and Recitations:		
Analytical Geometry	5	
Calculus (5 and 6)		5
French (1)	5	5
Qualitative Analysis	5	
Quantitative Analysis		5
Mineralogy and Blowpipe	5	5
Plane Surveying		3
Lectures in Mine Surveying		2
Machine Design	2	
Forging	3	
	25	25

Junior Year.

Lectures and Recitations:		
French	5	5
Physics	5	5
Mechanics of Engineering	3	
General Geology	5	5
Metallurgy	4	4

Assaying	2	
Mining	1	3
Mechanics of Materials		3
	25	25

SENIOR YEAR.

Lectures and Recitations:		
Hydraulics	5	
Ore Dressing	5	5
Economic Geology and Geo. Survey	3	2
Mining	2	2
Metallurgy	5	5
Contracts and Specifications		4
Metallurgy Lab. and Problems	3	
Electrical Transmission	2	
Thesis		7
	25	25

SCHEDULE OF STUDIES LEADING TO DEGREES

A.B. Degree

Note: Numbers within parentheses refer to description of courses; those on the right hand margin indicate the number of hours per week.

SUB-FRESHMAN "B" CLASS.

English (1) and (2)	5
History (1)	5
Mathematics (1) and (2)	5
Latin (1)	5

SUB-FRESHMAN "A" CLASS.

English (3) and (4)	5
Mathematics (3) and (4)	5
Science (2) and (3)	5
History (2)	5
Latin (2) and (3)	5

FRESHMAN.

English (5) and (6)	5
History (3)	5
Latin (4) and (5)	5
French (1)	5
Mathematics (5) and (6)	5

SOPHOMORE CLASS.

English (7) and (8)	5
History (4)	5
Mathematics (7) and (8)	5
Latin (6) and (7)	5
French (2)	5

JUNIOR CLASS.

(15 hours per week.)

Required Studies.

English (9) and (10)	3
Latin (8) and (9)	3

Optional studies.
(9 hours required.)

Mathematics (9) and (10)	5
Science (7) and (8)	5
Philosophy (6) and (7)	2
History (5)	2
French (3)	3

SENIOR CLASS.

(15 hours per week.)

Required Studies.

English (11) and (12)	2
Latin (10) and (11)	2

Optional Studies.
(11 hours required.)

Mathematics (11) and (12)	5
Science (9) and (10)	5
Philosophy (8) and (9)	3
French (4)	2
History (6) and (7)	3

B.S. Course

Sub-Freshman "B" and "A" Classes identical with A.B. course.

Freshman Class.

English (5) and (6) 5
History (3) 5
Latin (4) and (5) or
French (1) 5
Mathematics (5) and (6) . . . 5
Science 5

Sophomore Class.

English (7) and (8) 5
History (4) 5
Mathematics (7) and (8) . . 5
Latin (6) and (7) or
French (2) 5
Science (5) and (6) 5

Junior Class.

(15 hours per week.)

Required Studies.

English (9) and (10) 3
Science (7) or (8) 5
Mathematics (9) and (10) . . 5

Optional Studies.

(2 hours required.)

History (5) 2
Philosophy (6) and (7)
Latin (8) or (9) 3
French (3) 3

Senior Class.

(15 hours per week.)

Required Studies.

English (11) and (12) 2
Science (9) and (10) 5
Mathematics (11) and (12) . . 5

Optional Studies.

(3 hours required.)

History (6) and (7) 3
Philosophy (8) and (9) . . . 3
Latin (10) or
French (4) 2

B.Ph. Course

Sub-Freshman "B" and "A' Classes identical with A.B. course.

Freshman Class.

English (5) and (6) 5
History (3) 5
Science (4) 5
Mathematics (5) and (5) . . 5
Latin (4) and (5) 5
Education (2) and (3) 2

Sophomore Class.

English (7) and (8) 5
History (4) 5
Science (5) and (6) 5
Mathematics (7) and (8) . . . 5
Latin (6) and (7) 5
Education (4) and (5) 2

Junior Class.

(15 hours per week.)

Required Studies.

English (9) and (10) 3
History (5) 2
Philosophy (6) and (7) . . . 2

Optional Studies.

(8 hours required.)

Science (7) or (8) 5
Mathematics (9) and (10) . . 5
Latin (8) and (9) 3
Drawing (free hand.) 3

Senior Class.

(15 hours per week.)

Required Studies.

English (11) and (12) 2
History (6) and (7) 3
Philosophy (8) and (9) . . . 3

Optional studies.

(7 hours required.)

Mathematics (11) and (12) . . 5
Science (9) and (10) 5
Latin (10) and (11) 2

B.Agr. Course

Sub-Freshman "B" Class.

English (1) and (2) 5
History (1) 5
Science (Agr.) 5
Mathematics (1) and (2) . . 5
Spelling 5

Sub-Freshman "A" Class.

English (3) and (4) 5
History (2) 5
Science (2) and (3) 5
Spelling 5
Mathematics (3) and (4) . . 5

FRESHMAN CLASS.

English (5) and (6) 5
Bookkeeping (fall term) . . . 5
Science (chemistry spring term) 5
Agriculture 5
Drawing (free hand, fall) . . 5
Drawing (mechanical spring term) 5
Mathematics (5) and (6) . . . 5

SOPHOMORE CLASS.

English (7) and (8) 5
Science (5) and (6) 5
Agriculture 5
Mathematics (7) and (8) . . . 5
Science (Physics Agr.) 5

JUNIOR CLASS.

(21 hours per week.)
Required Studies.

English (9) and (10) 3
Agriculture (1) 10

Optional Studies.
(2 hours required.)

Science (7) or (8) 5
Mathematics (9) and (10) . . 5
Drawing 3

SENIOR CLASS.

(17 hours per week.)
Required Studies.

Agriculture 10
English 2

Optional studies.
(3 hours required.)

Science (9) and (10) 5
Mathematics (11) and (12) . 5

B.B.S. Course

Sub-Freshman "B" and "A" Classes identical with B. Agr. Course.

FRESHMAN CLASS.

English (5) and (6) 5
History (3) 5
Mathematics (5) and (6) . . 5
Bookkeeping (1) 5
Typewriting (1) 5

SOPHOMORE CLASS.

English (7) and (8) 5
Mathematics (7) and (8) . . . 5
Bookkeeping (2) 5
Typewriting (2) 5
Shorthand (1) 5

JUNIOR CLASS.

English (9) and (10) 3
Shorthand (2) 5
Bookkeeping (3) 10
Typewriting (3) 5

TABULAR VIEW OF STUDIES IN MINING ENGINEERING DEPARTMENT

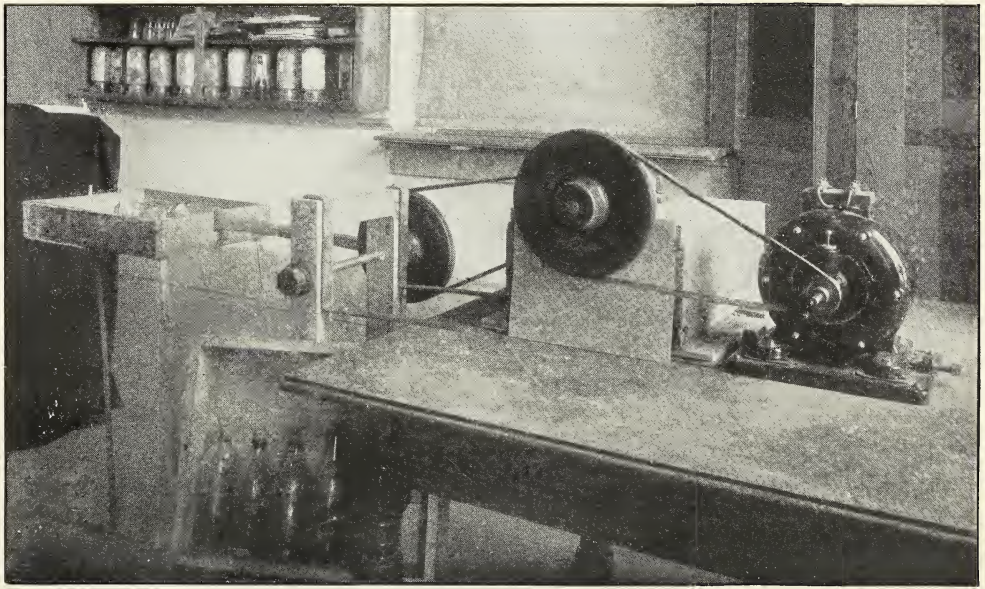
E.M. Course

FRESHMAN CLASS.

English (5) and (6) . . . . 5 periods per week throughout the year.
Mining Engineering . . . . 10 periods per week throughout the year.
Science (4) . . . . . 5 periods per week throughout the year.
Mathematics (5) and (6) . 5 periods per week throughout the year.

SOPHOMORE CLASS.

French (1) . . . . . 5 periods per week throughout the year.
Mining Engineering . . . . 10 periods per week throughout the year.
Science (5) and (6) . . . . 5 periods per week throughout the year.
Mathematics (7) and (8) . 5 periods per week throughout the year.



SOIL SHAKER.

Junior Class.

French (2) . . . . . 5 periods per week throughout the year.
Mining Engineering . . . . 15 periods per week throughout the year.
Mathematics (9) and (10) . 5 periods per week throughout the year.

Senior Class.

Mining Engineering . . . . 17 periods per week throughout the year.
Mathematics (11) and (12) . 5 periods per week throughout the year.

Sub-Freshman "B" and "A" Classes identical with B.Agr. course.

MILITARY ORGANIZATION

COMMANDANT OF CADETS

CAPTAIN FREDERICK S. L. PRICE, 8th U. S. Infantry.

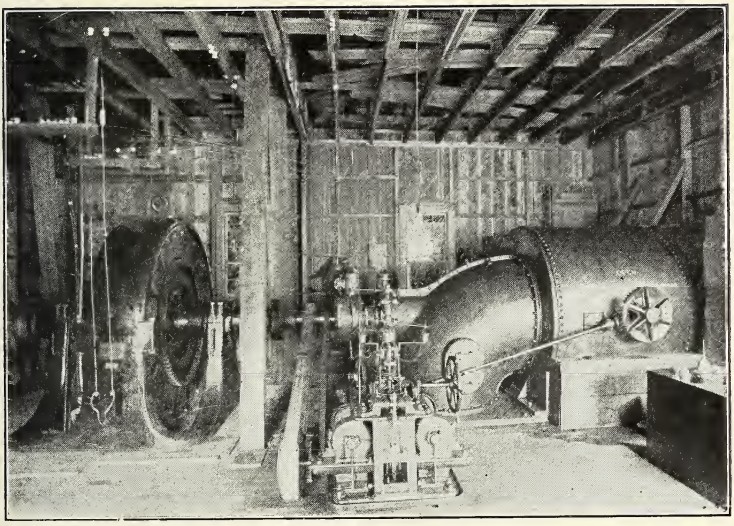
Major . . . . . G. N. Bynum
First Lieutenant and Battalion Adjutant . . . . . E. D. Willingham
Second Lieutenant and Battalion Quartermaster . . E. C. Vandiviere
Battalion Sergeant Major . . . . . H. E. Nelson
Battalion Quartermaster Sergeant . . . . . A. W. Meredith

BAND

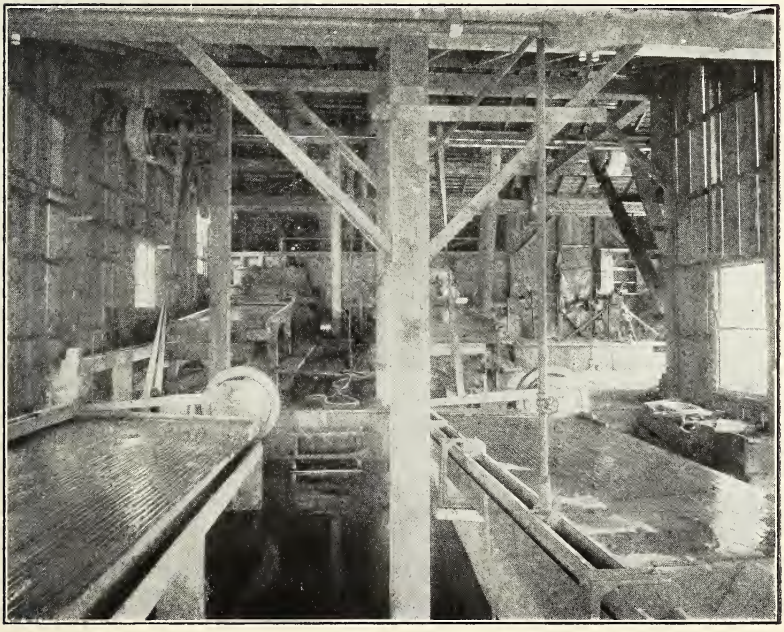
Instructor, Chief Musician, U. S. Army . . . . . Edward Steiner
First Lieutenant . . . . . Jerry Davidson
Principal Musician . . . . . H. L. Furlow
Drum Major . . . . . J. S. Wood
Sergeant . . . . . T. M. Cavender
Sergeant . . . . . Crawford Gurley
Corporal . . . . . Paul C. Porter
Corporal . . . . . H. G. Wood
Private . . . . . W. Akers
Private . . . . . A. C. Bell
Private . . . . . W. L. Boyd
Private . . . . . I. L. Duggan
Private . . . . . E. T. Kirby
Private . . . . . L. B. Mathews
Private . . . . . J. C. McCoy
Private . . . . . T. S. Teabeaut
Private . . . . . Fred Todd

SIGNAL DETACHMENT

Sergeant, First Class . . . . . Clark Ray
Private . . . . . R. G. Brock
Private . . . . . M. L. Cox
Private . . . . . J. H. Daniel
Private . . . . . G. C. Duncan
Private . . . . . G. T. Gerken
Private . . . . . Garner Huff
Private . . . . . G. C. McWhorter
Private . . . . . G. D. Stewart
Private . . . . . T. F. Tate
Private . . . . . W. W. Thompson



INTERIOR VIEW OF POWER PLANT.



INTERIOR VIEW OF MILL.

ARTILLERY DETACHMENT

First Lieutenant . . . . . Charles E. Power
Sergeant . . . . . R. F. Whelchel
Sergeant . . . . . J. B. Morris
Corporal . . . . . Burt McKee
Corporal . . . . . H. L. Hancock
Private . . . . . H. E. Archer
Private . . . . . R. A. Bolt
Private . . . . . H. C. Clodfelter
Private . . . . . H. E. Dorminy
Private . . . . . D. W. Elliott
Private . . . . . H. C. Gober
Private . . . . . T. P. Harbour
Private . . . . . F. H. Henderson
Private . . . . . R. J. Martin
Private . . . . . W. C. McDaniel
Private . . . . . F. E. Miller
Private . . . . . G. C. Pittard
Private . . . . . J. C. Watts
Private . . . . . H. H. Young

COMPANIES

COMPANY "A"	RANK	COMPANY "B"
Galloway, T. O.	Captain	Burnett, Carl
Johnson, H. V.	1st Lieutenant	Cavender, F. C.
Cavender, E. J	2nd Lieutenant	Kent, R. V.
Roberts, W. A.	1st Sergeant	Bynum, G. L.
Gray, R. C.	Sergeant	Oliver, T. S.
Harley, F. H.	Sergeant	Woody, J. W.
Baker, H. L.	Sergeant	Barnes, B. F.
Barnes, J. A.	Sergeant	Wallace, R. W.
Craig, F. P.	Corporal	Vaughn, Paul
Fraser, D. A.	Corporal	McGee,, J. P.
Cowart, H. C.	Corporal	Bennett, C. A.
Pendley, C.	Corporal	West, W. G.
Terrell, R. J.	Musician	Pait, J. A.
Wallace, J. P.	Musician	Wallace, M. C.
. . . . .	Private	Adams, W. G.
Berry, C. L.	Private	Anderson, Fred
Brown, E. H.	Private	Baker, R. E.
Cantrell, P.	Private	Birch, G. S.
Clark, F. J.	Private	Black, J. L.
Copeland, C. B.	Private	Blount, R. E.
Cordele, G. H.	Private	Braisington, W. E.
Creel, E. C.	Private	Bryant, E. D.
Crow, J. S.	Private	Bunkley, G. S.
Cumpton, L.	Private	Chester, F. H.
Dean, G. C.	Private	Clayton, R. M.

COMPANY "A"	RANK	COMPANY "B"
Dennison, E. P.	Private	Darby, Arthur
Durden, G. A.	Private	Dumas, H. S.
Duren, Lee	Private	Edwards, Evan
Ellison, J.	Private	Fulcher, Glenn
Fordham, W. J.	Private	Gibbs, J. A.
Gay, C. B.	Private	Gibson, W. C.
Gaskin, E. W.	Private	Harrison, A. L.
Glover, L.	Private	Hollingsworth, J. A.
Harris, R. W.	Private	Johnstone, W. B.
Hawkins, C. C.	Private	Lanier, C. L.
Henderson, M. T.	Private	Manau, Hans
Higgins, A. L.	Private	Mathews, W. S.
Howard, E. W.	Private	Maynard, Z. L.
Huie, F. C.	Private	McGill, R. E.
Huie, W. E.	Private	Mitchell, H. G.
Jones, T. W.	Private	Myers, T. E.
Kellam, A. R.	Private	Naisworthy, M. G.
King, F. R.	Private	Nicholson, E.
Langford, T. N.	Private	Nicholson, R. C.
Mayer, F. C.	Private	Nix, N. A.
McAshan, H. N.	Private	Orr, G. J.
McElroy, E. W.	Private	Nunnally, W. W.
McKee, H. G.	Private	Parker, Mark
Minter, R. E.	Private	Peyton, G.
Nash, L. E.	Private	Riden, V. B.
Orr, J. E.	Private	Riden, W. W.
Ray, S.	Private	Rogers, A. A.
Simpson, L. L.	Private	Sargent, J. B.
Simpson, C.	Private	Selmour, F. M.
Smith, L. W.	Private	Smith, E. W.
Stanford, T. L.	Private	Smith, J. L.
Tompkins, W. B.	Private	Turner, D. F.
Walden, J. W.	Private	Vandiviere, L. A.
Wallace, J. M.	Private	Vining, C. B.
Welden, A. J.	Private	White, G.
Woodliff, B. R.	Private	Wright, E. E.
Wimpy, D. C.	Private	

The Military Department is at all times under the direct supervision of an officer of the United States Regular Army. The discipline of the institution is Military in its nature, and earnest and intelligent effort is constantly made to impress upon the student the importance of truthfulness, honesty, and never-ending attention to duty, those manly qualities which are the foundation of success in every walk of life. The Military Department works in conjunction with all other departments of the College for the highest development of the student intellectually, morally and physically. Bad habits and idleness are not tolerated, and conscientious, painstaking work is the order of every day.

SOIL PHYSICS LABORATORY.

THE BAND

Under the leadership of Chief Musician Steiner, 5th U. S. Infantry, the College Band and Orchestra have reached a high state of efficiency. Its members are given a thorough course in music.

THE SIGNAL DETACHMENT

The Signal Detachment is furnished with the latest appliances for Military Communication. Its members are taught all forms of communication, such as the use of the Heliograph, Telegraph, Visual Signaling with Flags, and the use of lanterns for night work, etc.

THE ARTILLERY DETACHMENT

The Artillery Detachment is supplied with Two (2) 3.2 inch Field Guns, breech loading, the same as used by the regular army. The instruction in this branch is very thorough. The Cadets in the Artillery also receive the benefits of instruction i nthe Infantry.

BARRACKS

At a cost of $20,000, the College has recently completed a new and commodious structure which is used for barracks for the cadets. This is a modern brick building furnished with electric lights, steam-heat, water-works and most excellent bathing facilities. It is furnished throughout with suitable furniture, and every effort is made to contribute to the comfort of the cadets. Two cadets are assigned to each room. Board, room, light and heat are furnished to a cadet for $2.50 per week. Cadets are at all times under military discipline and control, and none are allowed to board or live outside of the barracks, except those living with parents, or very near relatives. Cadets outside of the barracks are required to conform to the same rules and regulations as those living inside.

The life of a student at this institution very closely resembles the life of a cadet at the U. S. Military Academy.

ADVANTAGES OF MILITARY EDUCATION AND TRAINING

The benefits which the student derives from military training are moral, mental and physical. Military instruction and training develop the student morally by instilling into him principles of patriotism, courage, obedience to law and a high respect for lawful authority, while military discipline teaches the correct habits of living. Military instruction aids materially in the student's mental development by its constant demand for alertness in thought and action. The physical advantages derived from daily military exercises in the open air are improved health, well developed physique, correct carriage and neat and manly appearance. While the gymnasium and atheletic sports aid in the development of a few, the military exercises give this benefit to all.

We are making good soldiers and we are also making good citizens. In the present age the discipline of an army differs very little from the discipline of a modern industrial organization, and every attribute of a good soldier is appreciated and rewarded as promptly in the business world as in the army.

INSTRUCTION

The course of instruction, theoretical and practical, in the Military Department, is prescribed by the War Department, and is made as complete and as thorough as is consistent with the work to be performed in the Collegiate Departments. The same importance is attached to the work in the Military Department as to that in any other department.

Military duty is obligatory upon all male students over fifteen years of age who are not laboring under a physical disability. In case of physical disability, the fact must be certified to by the College Surgeon on duty at this institution. Every male student is liable to such military studies and modified military duties as he may be capable of performing.

Under the provisions of a General Order of the War Department Military Colleges are classified:

Class A.—Schools and colleges whose organization is essentially military, whose students are habitually in uniform, in which military discipline is constantly maintained, and one of whose leading objects is the development of the student by means of military drill, and by regulating his daily conduct according to the principles of military discipline.

Class B.—State land grant or agricultural colleges established under the provisions of the act of Congress of July 2, 1862, and which are required by said act to include military tactics in their curriculum.

Class BA.—Any college of Class B which attains the state of efficiency required for schools or colleges of Class A shall be classed as BA.

This College has already been classified as BA by the War Department, which indicates that the institution has attained the state of efficiency required. There is no other college in the state of Georgia with classification BA, and but threee others in the entire United States.

UNIFORMS

The uniforms have been selected with a view to making it as inexpensive for the cadet as possible, and at the same time neat and durable. All uniforms are made to order. Arrangements have been made by which uniforms and equipments are purchased, by contract, and furnished to the cadet at cost. All uniforms must be inspected as to fit and quality and accepted by the Commandant of Cadets.

Cadets will wear the uniform at all times during the school term. A deposit to cover the cost of uniforms and equipment must be made at the time of matriculation.

The uniforms are as follows:

Full Dress.—Dark blue cap, army pattern; dark blue blouse, made of 18 oz. broad cloth; white duck trousers; white belt and gloves and black shoes.

Dress.—Cap, blouse, gloves and shoes same as full dress uniform; cadet grey trousers, made of 22 oz. material.

Service.—Cap, army pattern; blouse; breeches; all made of 18 oz. Olive Drab woolen material, canvas leggings, and tan shoes.

Uniform Expenses

Blue cap, blue blouse, grey trousers and black shoes	$18.79
2 Pairs white duck trousers	2.50
Service Cap, blouse, trousers and tan shoes	18.24
1 Pair Leggings	.65
White belt and half dozen pairs white gloves	1.75
Half dozen standing collars	.75
Total cost of clothing for one year	$42.68

The dress uniform can easily be made to last for two years, and with very good care the service uniform will also last for two years.

To the above should be added the cost of an annual encampment lasting about one week, the cost for this feature will probably not exceed $5.00.

Graduates of the North Georgia Agricultural College are elligible for appointment as Second Lieutenants of Infantry, Calvary and Artillery, in the U. S. Army, upon appointment and after satisfactory examination. The salary of a Second Lieutenant is $1700.00 per year, with a ten per cent. increase for each five years service.

Graduates are also eligible for appointment as lieutenants of Philippine Constabulary, without examination, (except physical), the salary beginning with $1100.00.

Roll of Students, 1908-1909

Those marked 1, 2, 3, 4, 5, 6 belong respectively to Senior, Junior, Sophomore, Freshman, Sub-Freshman, A and B.

Summary

Total enrollment	224
States represented	7
Counties of Georgia represented	57
Farmer's children	84

Merchant's children 43
Lawyer's children 9
Doctor's children 19
Teacher's children 8
Other avocations 61
Those living in country 77
Those living in towns 109
Those living in cities 34
Total number of male students 184
Total number of female students 36

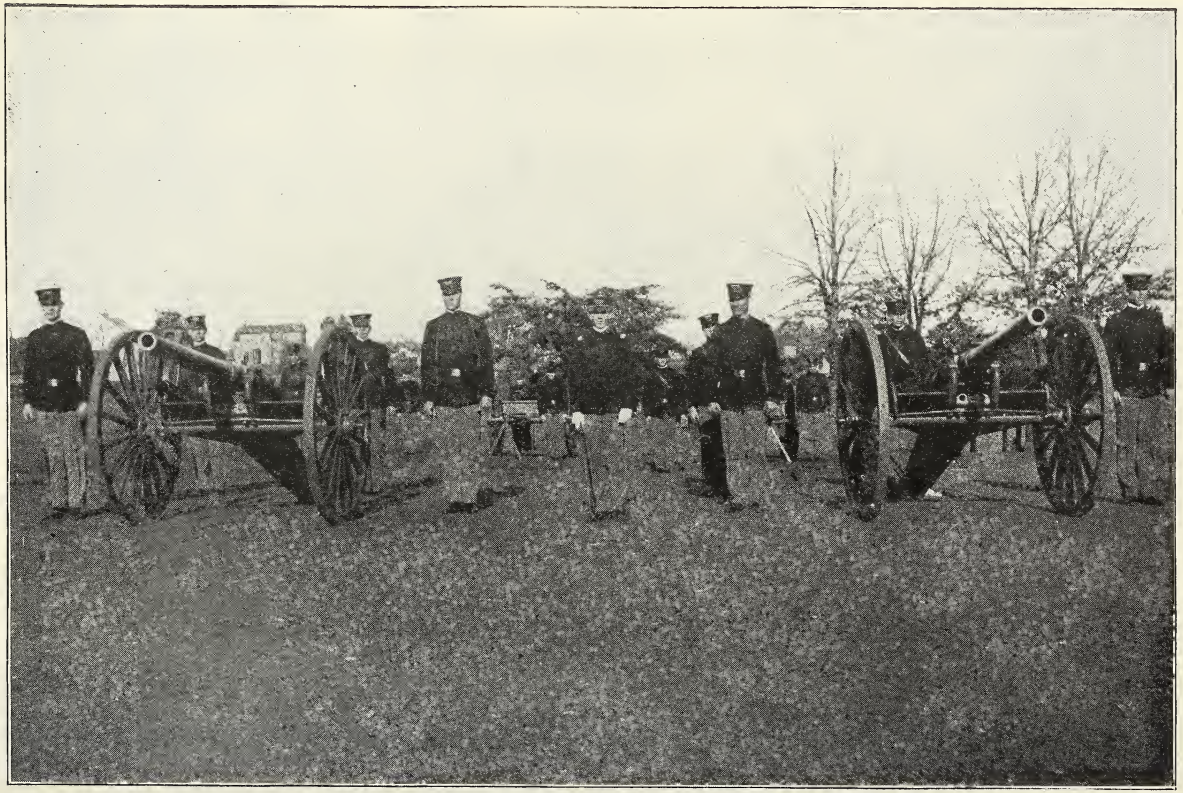
Abercrombie, Mae, 5	Lumpkin	Ga.	Farmer	Town
Adams, W. G., 6	Henry	Ga.	Real Estate	Town
Akers, W., 3	Fulton	Ga.	Merchant	City
Anderson, Birdie, 4	Lumpkin	Ga.	Merchant	Town
Anderson, F. W., 4	Lumpkin	Ga.	Merchant	Town
Archer, H., 6	Lumpkin	Ga.	Merchant	Town
Baker, H. L., 3	Chatham	Ga.	Doctor	Town
Baker, R. E., 5	Fulton	Ga.	City Officer	City
Barnes, B. F., 4	Lumpkin	Ga.	Lawyer	Town
Barnes, J. A., 4	Meriwether	Ga.	Farmer	Country
Bell, A. C., 4	Fulton	Ga.	State Officer	City
Bennett, C. A., 3	Pickens	Ga.	Lumberman	Town
Bennett, Fanny, 5	Hall	Ga.	Farmer	Country
Bennett, Nora, 5	Hall	Ga.	Farmer	Country
Berry, C. L., 6	Hall	Ga.	Farmer	Country
Birch, G. S., 4	Murray	Ga.	Farmer	Country
Black, G., 6	Bibb	Ga.	Farmer	Country
Blount, R. E., 6	Fulton	Ga.	County Official	City
Bolt, R. A., 4	Habersham	Ga.	Liveryman	Town
Boyd, E. H., 6	Anderson	S. C.	Farmer	Country
Boyd, W. L., 5	Lumpkin	Ga.	Teacher	Town
Brasington, W. E., 5	Lumpkin	Ga.	Teacher	Town
Brock, R. G., 5	Lumpkin	Ga.	Merchant	Town
Brooksher, Blanch, 5	Anson	N. C.	Contractor	City
Brooksher, Carrie, 3	Lumpkin	Ga.	Merchant	Town
Brown, E. H., 4	Anderson	S. C.	Merchant	Town
Bruce, C. C., 3	Berrien	Ga.	Naval Stores	Country
Bruce, Pearl, 4	Franklin	Ga.	Farmer	Town
Bryant, E. G., 6	Lumpkin	Ga.	Real Estate	Town
Bunkley, G. S., 6	Hall	Ga.	Farmer	Country
Burnett, C., 1	Cobb	Ga.	State Officer	Town
Bynum, G. L., 3	Rabun	Ga.	Farmer	Town
Bynum, G. N., 1	Rabun	Ga.	Farmer	Country
Camp, Pauline, 5	Carroll	Ga.	Farmer	Country

Camp, Vida, 4	Carroll	Ga.	Farmer	Country
Cantrell, P., 5	White	Ga.	Farmer	Country
Castleberry, Winnie, 5	Lumpkin	Ga.	Doctor	Town
Cavender, E. J., 1	Lumpkin	Ga.	Hotel Proprietor	Town
Cavender, F. C., 1	Lumpkin	Ga.	Doctor	Town
Cavender, Nellie, 3	Lumpkin	Ga.	Doctor	Town
Cavender, T. M., 2	Lumpkin	Ga.	Doctor	Town
Chester, F. H., 5	Lumpkin	Ga.	Doctor	Town
Clark, F. J., 5	Fulton	Ga.	City Officer	City
Clayton, R. M., 6	Terrell	Ga.	Preacher	City
Clodfelter, G. E., 4	DeKalb	Ga.	Farmer	Country
Copeland, C. B., 4	Franklin	Ga.	Lumberman	Town
Cordle, T. H., 6	Fulton	Ga.	Farmer	Country
Cowart, H. C., 4	Floyd	Ga.	Doctor	Town
Cox, C. H., 4	Pickens	Ga.	Mechanic	Country
Cox, J. W., 4	Pickens	Ga.	Mechanic	Country
Cox, M. L. Jr., 5	Gilmer	Ga.	Marble Dealer	Town
Craig, F. P., 4	Lumpkin	Ga.	Lawyer	Town
Craig, Mattie, 3	Lumpkin	Ga.	Lawyer	City
Creel, E. C., 4	Fulton	Ga.	Farmer	Town
Crow, J. S., 6	Forsyth	Ga.	Farmer	Country
Cumpton, L. B., 6	Walton	Ga.	Farmer	Country
Daniel, J. H., 4	Jenkins	Ga.	Farmer	Town
Darby, A., 4	Cherokee	Ga.	Farmer	Town
Darby, W., 4	Cherokee	Ga.	Farmer	Town
Davidson, J. W., 1	Fulton	Ga.	Merchant	City
Dean, G. C., 6	Anderson	S. C.	Farmer	Country
Denison, E. P., 6	Dougherty	Ga.	Dentist	City
Dorminy, H. E., 3	Ben Hill	Ga.	Farmer	Country
Duggan, I. L., 3	Wilkinson	Ga.	Doctor	Country
Dumas, H. S., 2	Monroe	Ga.	Merchant	Town
Duncan, G. C., 4	Lumpkin	Ga.	Smith	Town
Durden, G. A., 6	Walton	Ga.	Merchant	Town
Duren, L., 6	Thomas	Ga.	Doctor	Town
Edwards, E., 6	Charleston	S. C.	Doctor	City
Elliott, D W., 6	Dawson	Ga.	Farmer	Country
Ellison, J., 2	Burke	Ga.	Farmer	Town
England, W. R., 6	Habersham	Ga.	Farmer	Country
Evans, Mae, 3	Lumpkin	Ga.	Contractor	Town
Fordham, W. L., 6	Bulloch	Ga.	Farmer	Country
Fraser, D. A., 4	Liberty	Ga.	County Officer	Town
Fry, Marian, 4	Lumpkin	Ga.	Civil Engineer	Town
Fulcher, G., 6	Burke	Ga.	Farmer	Town
Furlow, H. L., 4	Fulton	Ga.	State Officer	City
Gaillard, Emily, 4	Lumpkin	Ga.	Teacher	Town

Galloway, T. O., 1	Elbert	Ga.	Farmer	Country
Gaskins, E. W., 4	Berrien	Ga.	Naval Stores	Town
Gay, C. B., 6	Jenkins	Ga.	Farmer	Country
Gerken, G. T., 5	Jefferson	Ky.	Merchant	City
Gibbs, J. A., 4	Morgan	Ga.	Farmer	Country
Gibson, W. C., 5	Bibb	Ga.	Farmer	City
Glenn, Lillian, 2	Lumpkin	Ga.	Teacher	Town
Glenn, Louise, 2	Lumpkin	Ga.	Teacher	Town
Glover, L. C., 4	Ben Hill	Ga.	Merchant	City
Gober, H. C., 4	Dawson	Ga.	Farmer	Country
Gray, R. C., 2	Hamilton	Tenn.	Drummer	City
Gurley, C., 1	Lumpkin	Ga.	Merchant	Town
Hair, W. T., 6	Cumberland	N.C.	Farmer	Country
Hancock, B. L., 4	Clayton	Ga.	Farmer	Country
Harbour, T. P., 3	Floyd	Ga.	Merchant	Town
Harley, F. H., 4	Lowndes	Ga.	Merchant	City
Harris, R. W., 4	Whitfield	Ga.	Doctor	Town
Harrison, A. L., 6	Forsyth	Ga.	Farmer	Country
Hawkins, C. C., 6	Hall	Ga.	Merchant	Town
Head, Myrtie, 4	Lumpkin	Ga.	Farmer	Country
Head, Nellie, 3	Lumpkin	Ga.	Doctor	Town
Henderson, F. H., 5	Catoosa	Ga.	Farmer	Country
Henderson, M. T., 5	Irwin	Ga.	Bookkeeper	Town
Higgins, H. F., 5	Lumpkin	Ga.	Preacher	Country
Hollingsworth, J. A., 6	Tift	Ga.	Merchant	City
Howard, E. W., 5	Dawson	Ga.	Farmer	Country
Hudlow, Emma, 4	Lumpkin	Ga.	Seamstress	Town
Huff, J. G., 4	Lumpkin	Ga.	Lawyer	Town
Huie, F. C., 6	Clayton	Ga.	Farmer	Country
Huie, W. E., 4	Clayton	Ga.	Farmer	Country
Hutcherson, Elizabeth, 6	Lumpkin	Ga.	Farmer	Country
Hutcherson, L., 6	Lumpkin	Ga.	Farmer	Country
Jackson, Cecil, 3	Lumpkin	Ga.	Merchant	Town
Jackson, Flossie, 5	Lumpkin	Ga.	Merchant	Town
Johnson, H .V., 1	Lumpkin	Ga.	Farmer	Country
Johnston, W. T., 6	Bibb	Ga.	U. S. Officer	City
Jones, T. W., 6	Fulton	Ga.	R. R. Engineer	City
Kellam, A. R., 4	Fulton	Ga.	City Officer	City
Kent, R. H., 2	Jenkins	Ga.	Farmer	Country
King, F. P., 4	Murray	Ga.	Lawyer	Town
Kirby, E. T., 6	Gilmer	Ga.	Druggist	Town
Langford, T. N., 6	Gordon	Ga.	Farmer	Town
Lanier, C. F., 4	Jenkins	Ga.	State Officer	Town
Manau, H., 5	Burke	Ga.	Tailor	Town
Martin, R. J., 3	Hall	Ga.	Merchant	Town

Matthews, L. B., 4	Pulaski	Ga.	Doctor	Town
Matthews, W. S., 3	Pulaski	Ga.	Doctor	Town
Mayer, S. F., 5	Monroe	Ga.	Teacher	Town
Maynard, Z. L., 5	Monroe	Ga.	Merchant	Town
McAshan, H. N., 6	Fulton	Ga.	Banker	City
McCoy, J. C., 4	Jenkins	Ga.	Lumberman	Town
McDaniel, W. C., 3	Dougherty	Ga.	Merchant	City
McDonald, Rosa, 2	Lumpkin	Ga.	Mechanic	Country
McElroy, E. W., 3	Gwinnett	Ga.	Merchant	Town
McGee, Allice, 4	Lumpkin	Ga.	Merchant	Town
McGee, Callie, 4	Lumpkin	Ga.	Merchant	Town
McGee, J. P., 3	Lumpkin	Ga.	Merchant	Town
McGill, R. E., 5	Madison	Ga.	Teacher	Town
McGuire, Fannie, 1	Lumpkin	Ga.	Merchant	Town
McKee, Annie, 4	Dawson	Ga.	Farmer	Country
McKee, B., 3	Dawson	Ga.	Merchant	Country
McKee, H. G., 4	DeKalb	Ga.	Farmer	Country
McKee, Ora, 4	Dawson	Ga.	Merchant	Country
McWhorter, G. C., 5	Morgan	Ga.	Merchant	Town
Meredith, A. W., 3	Anderson	S. C.	Farmer	Country
Miller, F. E., 4	Liberty	Ga.	Merchant	Town
Minter, R. E., 5	Fayette	Ga.	Merchant	Town
Mitchell, H. G., 5	DeKalb	Ga.	Lawyer	City
Myers, T. E., 5	Ben Hill	Ga.	Contractor	City
Moore, R. V.	Lumpkin	Ga.	Merchant	Town
Morris, J. B., 3	Hart	Ga.	Farmer	Country
Nash L. E. 6	Fulton	Ga.	Mechanic	City
Nasworthy, M. G., 6	Terrell	Ga.	Farmer	Town
Neal, C., 2	Hall	Ga.	Doctor	City
Nelson, H. E., 3	Union	Ga.	Farmer	Country
Nicholson, E., 6	Rabun	Ga.	Farmer	Country
Nicholson, R. C., 6	Rabun	Ga.	Farmer	Country
Nix, N. A., 6	White	Ga.	Preacher	Country
Nunnally, W. W., 3	Walton	Ga.	Farmer	Country
Oliver, T .S., 2	Chatham	Ga.	Lawyer	City
O'Neal, I. F., 5	Troup	Ga.	Farmer	Country
Orr, G. J. Jr., 3	Chatham	Ga.	Teacher	City
Orr, J. E., 5	Dawson	Ga.	Farmer	Country
Pait, J. A., 6	Berrien	Ga.	Lumberman	Town
Parker, M., 4	Jefferson	Ga.	Contractor	Town
Pendley, C., 4	Pickens	Ga.	Farmer	Country
Peyton, G., 5	Habersham	Ga.	Farmer	Town
Phillips, B. H., 2	Fannin	Ga.	Lumberman	Country
Pittard, G. C., 3	Clarke	Ga.	Merchant	Town
Porter, P. C., 3	Floyd	Ga.	Merchant	Town

Power, C. E., 1	Dooly	Ga.	Teacher	Town
Ray, C., 2	Fannin	Ga.	Farmer	Country
Ray, S., 5	Fannin	Ga.	Farmer	Country
Rice, Pearl, 3	Lumpkin	Ga.	Machinist	Town
Riden, V. B., 6	Morgan	Ga.	Doctor	Town
Riden, W. W., 6	Morgan	Ga.	Doctor	Town
Roberts, W. A., 4	Hale	Ala.	Merchant	Town
Rogers, A. A., 4	Madison	Ga.	Farmer	Country
Russell, Ruth, 4	Lumpkin	Ga.	Seamstress	Town
Sargent, H. T., 5	Lumpkin	Ga.	Mechanic	Town
Sargent, J. B., 4	Lumpkin	Ga.	Mechanic	Town
Seabolt, J. H., 5	Union	Ga.	Farmer	Country
Seymour, F. M., 5	St. Johns	Fla.	Merchant	Town
Simpson, C., 5	Hall	Ga.	Farmer	Country
Simpson, L. L., 5	DeKalb	Ga.	Farmer	Country
Smith, E. W., 5	Guilford	N. C.	Drummer	City
Smith, J. L., 4	Screven	Ga.	Telepraph Operator	Town
Smith, L. W., 5	Dawson	Ga.	Farmer	Country
Standford, T. L., 6	Tift	Ga.	Farmer	Town
Stanton, Frances, 2	Lumpkin	Ga.	Merchant	Town
Stanton, Mary, 4	Lumpkin	Ga.	Merchant	Town
Stargel, Mary Ann, 6	Lumpkin	Ga.	Farmer	Country
Stewart, G. D., 6	DeKalb	Ga.	Agent	City
Tate, T. F., 5	Lumpkin	Ga.	Merchant	Town
Teabeaut, T. S., 6	Randolph	Ga.	Banker	Town
Terrell, R. J., 4	Fulton	Ga.	City Officer	City
Thomas, May, 3	Lumpkin	Ga.	Miner	Town
Thompson, W. W., 6	Fulton	Ga.	Doctor	City
Todd, F., 6	Floyd	Ga.	Merchant	City
Tompkins, W. B., 5	Davidson	Tenn.	Merchant	City
Turner, D. F., 6	Floyd	Ga.	Farmer	City
Vandiviere, E. C., 2	Dawson	Ga.	Lawyer	Town
Vandiviere, L. A., 5	Dawson	Ga.	Lawyer	Town
Vaughan, P. W., 3	Lumpkin	Ga.	Clerk	Town
Vining, C. B., 4	Morgan	Ga.	Merchant	Town
Walden, J. W., 4	Lumpkin	Ga.	Farmer	Country
Wallace, J. M., 4	Fayette	Ga.	Farmer	Town
Wallace, J. P., 5	Morgan	Ga.	Banker	Town
Wallace, M. C., 5	Morgan	Ga.	Merchant	Town
Wallace, R. W., 3	Morgan	Ga.	Banker	Town
Watts, J. C., 4	Floyd	Ga.	Doctor	City
Weldon, A. J., 5	Spalding	Ga.	Farmer	Country
West, W. G., 4	Gilmer	Ga.	Farmer	Country
West, Ollie, 5	Gilmer	Ga.	Farmer	Country



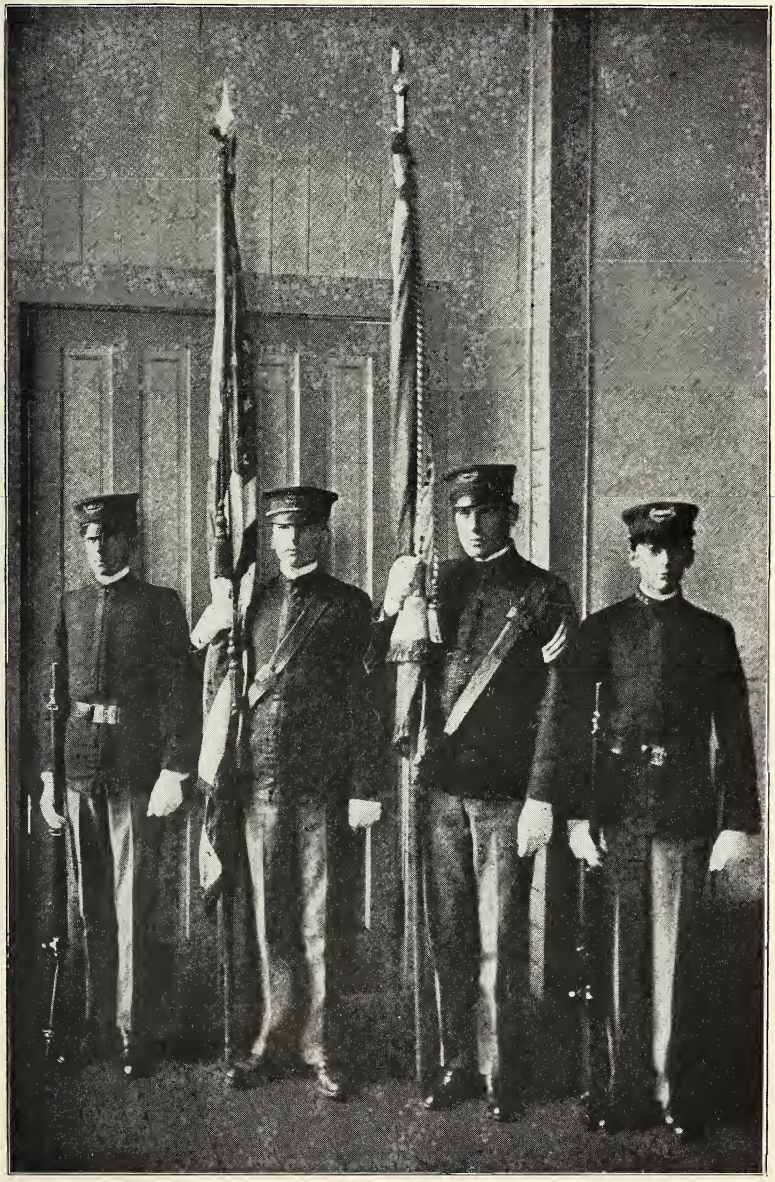
DETACHMENT OF ARTILLERY.

Whelchel, H. E., 1	Hall	Ga.	Farmer	Country
Whelchel, R. F., 3	Hall	Ga.	Farmer	Country
White, G., 4	Henry	Ga.	Farmer	Country
Willingham, E. D., 1	Fulton	Ga.	Merchant	City
Wimpy, D. C., 5	Lumpkin	Ga.	Farmer	Town
Wood, H. G., 3	Cherokee	Ga.	Farmer	Country
Wood, J. S., 3	Pickens	Ga.	Druggist	Town
Woodliff, B. R., 6	Hall	Ga.	Farmer	Country
Woody, J. W., 4	Lumpkin	Ga.	Farmer	Country
Wright, E. E., 6	Floyd	Ga.	Farmer	Country
Young, H. H., 5	Washington	Fla.	Naval Stores	Town

Name	Present Address	Occupation	Year in College	Residence When in College.	Grad.	Remarks
Bates, M. G.	Atlanta, Texas.	Teacher	1875-1878	Murray Co.	1878	Was Supt. of Schools at Ft. Worth.
Coffee, R. N.	Texas.	Lawyer	1875-1878	Gordon Co.	1878	
Collier, G. W.	Atlanta, Ga.	Merchant	1875-1878	Fulton Co.	1878	
Crusselle, W. F.	Atlanta, Ga.	Journalist	1875-1878	Fulton Co.	1878	Prof. in N. G. A. C. several years.
Earl, E. B.*		Teacher	1875-1878	Floyd Co.	1878	
Gray, J. R.	Atlanta, Ga.	Journalist	1876-1878	Bartow Co.	1878	Editor of Atlanta Journal.
		Lawyer				
Harris, W. D.	Fort Worth, Tex.	Lawyer	1875-1878	Murray Co.	1878	Judge.
Lewis, Miss Willie*			1873-1878	Lumpkin Co.	1878	
(Mrs. Littlefield)		Merchant				
Starr, O. N.	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator.
Starr, Trammell*	Calhoun, Ga.	Lawyer	1875-1878	Gordon Co.	1878	Senator. . . . .
Abernathy, J. H.*		Teacher	1878-1879		1879	
Henley, J. W.	Atlanta, Ga.	Lawyer	1875-1879	Murray Co.	1879	Assistant U. S. Dist. Attorney.
Chapman, Miss Lizzie	Cuba, Ga.	Teacher	1874-1879	Lumpkin Co.	1879	
Gaillard, J. J.	Macon, Ga.	Civil Eng.	1873-1880	Spalding Co.	1889	Chief Engineer G. S. & F. R. R.
Lewis, Mary R.	Atlanta, Ga.		1873-1878	Lumpkin Co.	1880	
(Mrs. W. F. Crusselle)			1873-1880			(schools.
Wilson, H. E.	Savannah, Ga.	Lawyer	1877-1880	Effingham Co.	1880	Prof. in N. G. A. C. and several high
Wilson, W. S.	Savannah, Ga.	Physician	1877-1880	Effingham Co.	1880	Won Stevens' Medal in Military.
Watt, C. E.	Camilla, Ga.	Farmer	1877-1881	Forest, Ala.	1881	Stevens' Medal for best record.
Power, C. G.	Vienna, Ga.	Teacher	1878-1881	Cobb Co.	1881	Supt. of Public Schools.
Davis, Sallie G.*			1873-1881	Lumpkin Co.	1881	
McDaniel, Mrs. Fannie			1880-1881	Carroll Co.	1881	
Hutchins, Mrs. Lizzie	Easly, S. C.		1873-1881	Lumpkin Co.	1881	
Henderson, Calvin	Ark.	Teacher	1880-1882	Paulding Co.	1882	
Stow, M. N.	Jesup, Ga.	Physician	1876-1882	Lumpkin Co.	1882	Former Mayor of Dawsonville, Ga.
Peeples, L. C.	Dawson, Ga.		1880-1882	Terrell Co.	1882	
Mann, W. E.	Ringgold, Ga.	Lawyer	1880-1882	Floyd Co.	1882	State Senator.
Napier, G. M.	Monroe, Ga.	Lawyer	1880-1882	Walker Co	1882	Journalist; Judge Advocate General
Chapman, F. T.*			1874-1883	Lumpkin Co.	1883	and Orator. (tatives.
Fricks, N. A.*			1880-1883	Franklin Co.	1883	Once Member House of Represen-

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Jones, W. F.	Elberton, Ga.	Teacher	1881-1883	Troup Co.	1883	Lt. Col. in Georgia Militia.
Key, W. H.	Alabama.	Lawyer	1880-1883	Banks Co.	1883	
Stanton, M. W.	El Paso, Texas.	Lawyer	1881-1883	Gordon Co.	1883	
Willis, G. T.*		Clerk	1880-1883	Jackson Co.	1883	
Boyd, J. W.	Dahlonega, Ga.	Teacher	1880-1884	Dahlonega, Ga.	1884	Prof. Young Harris, Now Prof. of Math. at N. G. A. C. State Senator.
Coleman, E. W.	Canton, Ga.	Lawyer	1880-1884	Talking Rock, Ga.	1884	
Coleman, W. S.	Cedartown, Ga.	Journalist	1880-1884	Talking Rock, Ga.	1884	Ed. Cedartown Standard and Pres. Ga. Weekly Press Association.
Martin, W. C.	Dalton, Ga.	Lawyer	1881-1884	Spring Place, Ga.	1884	
Wardlaw, J. A.	Chattanooga, Tenn.	Merchant	1882-1884	Chattanooga, Tenn.	1884	
Wills, A. J.*	Rome, Ga.	Dentist	1880-1884	Jefferson Co.	1884	State Senator.
Wills, Miss Massie* (Mrs. John Ross)			1880-1884	Jefferson Co.	1884	
Cavendar, J. M.	Chattanooga, Tenn.		1883-1885	Ringgold, Ga.	1885	
Crusselle, G. W.			1884-1885	Atlanta, Ga.	1885	
Lively, M. L.	Atlanta, Ga.		1882-1885	Norcross, Ga.	1885	
Cartledge, S. J.	Anderson, S. C.	Preacher	1884-1885	Bold Springs, Ga.		
Canning, N. G.*		Lawyer	1883-1886	Flowery Branch, Ga.	1886	Pastor Presbyterian Church, Anderson, South Carolina.
Cato, E. T.		Teacher	1883-1886	Glenville, Ala.	1886	
Cato, J. C.			1883-1886	Glenville, Ala.	1880	
Fisher, L. O.	Ozark, Ala.	Lawyer	1881-1886	Alpharetta, Ga.	1886	
Standard, C. T.			1882-1886	Marietta, Ga.	1886	R. R. Employee.
Stribbling, J. P.		Farmer	1883-1886	Richland, S. C.	1886	V. Pres. Bank, Westminster, S. C.
Craig, D. S.	Atlanta, Ga.	Lawyer	1886-1887	Walhalla, S. C.	1887	
Nesbit, K. A.	Fairburn, Ga.	Lawyer	1882-1887	Fairburn, Ga.	1887	
Phillips, E. L.	Griffin, Ga.	Farmer	1884-1887	Griffin, Ga.	1887	
Phillips, J. H.	Milner, Ga.	Physician	1884-1887	Griffin, Ga.	1887	
Fletcher, H. M.	Birmingham, Ala.	Lawyer	1884-1888	Jackson, Ga.	1888	
Morris, J. H.*		Teacher	1884-1888	Griffin, Ga.	1888	
Sheldon, W. A.	Westminster, S. C.	Physician	1886-1888	Westminster, S. C.	1888	
Swanson, W. T.		Teacher	-1888	Blairsville, Ga.	1888	
Woodward, J. C.	College Park, Ga.	Teacher	1884-1888	Jackson, Ga.	1888	President Georgia Military Academy.
Mincy, W. H.	Woodstock, Ga.	Teacher	1884-1889	Two Run, Ga.	1889	Degree A.M.
Shelton, W. H.	Athens, Ga.	Broker	1885-1889	Jay, Ga.	1889	Lt. U. S. V. Spanish-American War.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Stribling, T. M.	Bold Spring, Tex.	Preacher	1886-1889	Richland, S. C.	1889	
Almand, E. H.	Nashville, Tenn.	Merchant	1886-1889	Conyers, Ga.	1889	Major U. S. A. V. Spanish-Am. War.
Chamblee, W. R.*		Lawyer	1888-1890	Pendergrass, Ga.	1890	L't. U. S. A. V. Spanish-Am. War.
Vickery, E. B.	Dahlonega, Ga.	Teacher	1887-1890	Hartwell, Ga.	1890	Prof. in N. G. A. C. since 1890.
Lawton, Mrs. E. P., nee Miss M. L. Basinger			1887-1891	Dahlonega, Ga.	1891	Wife Capt. E. P. Lawton, U. S. A.
Gilbert, T. H.		Preacher	1886-1891	Pendergrass, Ga.	1891	Minister, Tex., Con. M. E. Church.
Almand, J. M.	Decatur, Ga.	Merchant	1887-1891	Conyers, Ga.	1891	
Carmichael, H. B.*			1887-1891	Jackson, Ga.	1891	
Clark, J. B.	Eastman, Ga.	Physician	1887-1891	Eastman, Ga.	1891	
Head, M. H.	Dahlonega, Ga.	Physician	1887-1891	Dahlonega, Ga.	1891	College Surgeon, N. G. A. College.
Harris, B. C.	Savannah, Ga.	Accountant	1887-1891	Dahlonega, Ga.	1891	
McMurry, R. A.	West End, Ga.	Dairyman	1887-1891	Gainesville, Ga.	1891	
Meaders, A. W.	Watkinsville, Ga.	Farmer	1887-1891	Gainesville, Ga.	1891	
Phillips, T. J.	Griffin, Ga.	Physician	1887-1891	Griffin, Ga.	1891	
Dendy, W. E.		Teacher	1887-1891	Richland, Ga.	1891	
Fouche, J. S.	Rome, Ga.	Lawyer	1887-1891	Rome, Ga.	1891	Judge City Court, Rome, Ga.
Whelchel, Miss Louise	Dahlonega, Ga.	Teacher	1887-1891	Dahlonega, Ga.	1891	C. S. C. Franklin county.
Worley, Miss Anna Lee	Dahlonega, Ga.		1887-1891	Dahlonega, Ga.	1891	Librarian N. G. A. College.
Cobb, W. H.*	Carnesville, Ga.	Teacher	1889-1892	Mt. Airy, Ga.	1892	State Senator, County School Comm'r.
Allen, J. P. B.		Teacher	1887-1892	Dahlonega,	1892	Teacher in Savannah.
Ryals, Jas. W.	Savannah, Ga.	Merchant	1889-1892	Savannah, Ga.	1892	
Wood, Geo. B.	Anderson, S. C.	Merchant	1888-1892	Dawsonville, Ga.	1892	Doctor.
Johnson, Miss Emily	Texarkana, Tex.		1891-1892	Marietta, Ga.	1892	
McMullan, W. B.	Hartwell, Ga.	Farmer	1890-1893	Hartwell, Ga.	1893	Ordinary of Hart county.
Pitner, J. M.	Thompson, Ga.	Teacher	1889-1893	Two Run, Ga.	1894	C. S. C. Wilkes county.
Steele, W. H.	Newton, Co., Ga.	Doctor	1889-1893	Stewart, S. C.	1894	
Hammock, A. D.	Conyers, Ga.	Teacher	1892-1895	Conyers, Ga.	1895	C. S. C. Rockdale county.
Kimsey, W. L.*		Teacher	1895-1895	Clarkesville, Ga.	1895	
Alexander, D. H.		U. S. Mail Service	1891-1895	Salem, S. C.	1895	
Roberts, Miss Alice*		Teacher	1890-1895	Dahlonega, Ga.	1895	
Seabolt T. W.	Nacoochee Valley.	Merchant	1891-1895	Loudsville, Ga.	1895	Teacher Cleveland, Ga.



COLOR BEARERS.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Petit, Geo. F.			1893-1895	Cartecay, Ga.	1895	
Bryson, R. M.	Ocilla, Ga.	Lawyer	1892-189k	Rockpile, Ga.	1895	Judge of City Court.
Kytle, J. W.	Ludowici, Ga.	Preacher	1894-1896	Center Side, Ga.	1896	
Meaders, F. M.	Dahlonega, Ga.	Merchant	1892-1896	Dahlonega, Ga.	1896	U. S. Inspector.
Nix, R. C.	Commerce, Ga.	Farmer	1893-1896	Apple Valley, Ga.	1896	
Palmour, Oscar	Atlanta, Ga.	Ins. Agt.	1892-1896	Dougherty, Ga.	1896	
Sinquefield, W. R.	Louisville, Ga.	Farmer	1893-1896	Louisville, Ga.	1896	
Palmer, W. P.*	Clarksville, Ga.	Lawyer	1892-1897	Clarksville, Ga.	1897	
Roundtree, Mrs. A. M. nee Miss Rogers	Adrian, Ga.		1894-1898	Adrian, Ga.	1898	Wife of Dr. A. M. Roundtree.
Parks, B. G.	Waycross, Ga.	Lawyer	1895-1899	Murrayville, Ga.	1899	
Johnson, R. L.		Teacher	1897-1899	Grangerville, Ga.	1899	
Clark, E. M.		Bookkpr.	1898-1899	Louisville, Ga.	1899	
Cain, A. W.	Philippine Islands.	Teacher	1896-1900	Porter Springs, Ga.	1900	
Gurley, H. D., Jr.	Birmingham, Ala.	Supt. Telph.	1896-1900	Dahlonega, Ga.	1900	
McClesky, F. H.	Atlanta, Ga.		1898-1900	Blackwells', Ga.	1900	
Peacock, H. L.	Rhine, Ga.	Lumberman	1896-1900	Cochran, Ga.	1900	
Smith, W. M.	Atlanta, Ga.	Lawyer	1896-1900	Augusta, Ga.	1900	
Harris, C. L.	Cumming, Ga.	Teacher	1897-1900	Silver City, Ga.	1900	Mayor of Cumming, Ga., Co. Sch. Cmr.
Gaillard, Miss Fannie	Dahlonega, Ga.	Teacher	1896-1900	Dahlonega, Ga.	1900	
McKibben, T. C.			1897-1900	Patillo, Ga.	1900	
Blount, R. M.	Waynesboro, Ga.		1898-1900	Waynesboro, Ga.	1900	
Crisson, Maggie	Atlanta, Ga.	Trained Nurse	1896-1900	Dahlonega, Ga.	1900	
McKee, W. J.	Arizona.	Truck Farmer	1898-1900	McKee, Ga.	1900	
Sosebee, R. L.*			1898-1900	Nelson, Ga.	1900	
West, J. W.	College Park, Ga.	Teacher	1897-1901	Vera, Ga.	1901	Professor G. M. A., College Park, Ga.
Harris, S. A.	U. S. Army.	Soldier	1897-1901	Silver City, Ga.	1901	1st L't. U. S. Army.
Whelchel, A. J.		Physician	1897-1901	Dougherty, Ga.	1901	
Shultz, Carl	Dahlonega, Ga.	Teacher	1897-1901	Royston, Ga.	1901	C. S. C. Lumpkin County, Ga.-Editor.
Sosebee, L. P.		Civil Eng.	1898-1901	Nelson, Ga.	1901	
McGrath, M. H.			1899-1901	Nelson, Ga.	1901	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Scott, W. W.	Atlanta, Ga.	Clerk	1899-1901	Canton, Ga.	1901	
Farrar, W. T.			1899-1901	Ingleside, Ga.	1901	
Byers, J. H.	Kansas.	Teacher	1898-1902	Price, Ga.	1902	
Horton, Paul Jones	U. S. Army.	Soldier	1899-1901	Winder, Ga.	1902	First Lieutenant Coast Artillery.
Byers, Augustus	Price, Ga.	Exp. Messngr.	1898-1902	Price, Ga.	1902	
Pitner, Mrs. M. W. nee Miss Marie Gaillard	Chicago, Ill.	Teacher	1898-1902	Dahlonega, Ga.	1902	
Barnes, J. C.	Dahlonega, Ga.	Teacher	1899-1902	Stinson, Ga.	1902	Professor N. G. A. College.
McKee, Miss Eva	McKee, Ga.			McKee, Ga.	1902	Student Columbia University, N. Y.
Whitehead, A. C. Mrs. nee Miss C. Whelchel	University, N. C.	Teacher	1898-1902	Pine Mt., Ga.	1908	Wife of A. C. Whitehead.
Whitehead, A. C.		Teacher	1899-1906	Eastman, Ga.	1902	
Scales, J. H.		Cashier	1901-1902	Suwanee, Ga.	1902	
Byers, J. R.	Gainesville, Ga.	Farmer	1899-1903	Price, Ga.	1903	Employee in Post Office.
Grant, N. W.	U. S. Navy.	Soldier	1899-1903	Clarksville, Ga.	1903	
Berry, J. R.	Griffin, Ga.	Teacher	1900-1903	Griffin, Ga.	1903	Principal Public School.
Byers, Miss Cora	Price, Ga.	Teacher	1899-1903	Price, Ga.	1903	
Elkan, Louis	Washington State.	Merchant	1900-1903	Brunswick, Ga.	1903	
Maddox, C. E.			1900-1903	Freemansville, Ga.	1903	
Gaillard, Miss Sallie	Chicago, Ill.	Teacher	1900-1904	Dahlonega, Ga.	1904	
Fortson, L. G.		Teacher	1901-1904	Elberton, Ga.	1904	
Henley, J. R.	U. S. Army.	Soldier	1900-1904	Jasper, Ga.	1904	U. S. Marines.
Gortatowsky, J. D.	Atlanta, Ga.	Journalist	1900-1904	Albany, Ga.	1904	Journal Staff.
Broach, J. F.		Teacher	1900-1904	Compton, Ga.	1904	
Stewart, J. C.	Kingman, Ariz.	Teacher	1900-1904	Ludville, Ga.	1904	
Bowen, Urban	Buford, Ga.	Teacher	1900-1904	Tesnatee, Ga.	1904	Principal of High School.
Chappel, A. H.	Midriver, Ga.	Farmer	1901-1904	Chappel, Ga.	1904	
Drew, W. D.		Bookkeeper	1901-1904	Midville, Ga.	1904	
Holden, Lester			1901-1904	Johnston, Ga.	1904	
Steed, O. W.		Business	1900-1904	Spring Place, Ga.	1904	
Jelks, G. J.	Atlanta, Ga.		1902-1904	Hawkinsville, Ga.	1904	
Peacock, W. H.	Cochran, Ga.	Farmer	1902-1904	Cochran, Ga.	1904	
Rutherford, Robert	Culloden, Ga.	Freight Agt.	1901-1904	Culloden, Ga.	1904	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Byers, Rufus	Manila, P. I.	Soldier	1899-1905	Price, Ga.	1905	1st. Lt. Constabulary, Philippine
Whelchel, Miss Ruth	Lyons, Ga.	Teacher	1900-1905	Price, Ga.	1905	(Islands.
Wilson, F. C.	Savannah, Ga.	Dentist	1881-1885	Savannah, Ga.	1905	
Lunsford, W. P.		Teacher	1901-1904	Suches, Ga.	1905	
Gay, B. F.	Sharptop, Ga.	Teacher	1902-1905	Sharptop, Ga.	1905	
Smith, R. E. L.*	Greely, Ga.	Teacher	1901-1905	Greely, Ga.	1905	
Ash, W. L.	Dahlonega, Ga.	Teacher	1901-1905	Suches, Ga.	1905	Supt. Public Schools, Dahlonega, Ga.
Breedlove, W. M.	Monroe, Ga.	Merchant	1903-1905	Monroe, Ga.	1905	
Castleberry, L. R.	College Park, Ga.	Bookkeeper	1903-1905	Dahlonega, Ga.	1905	
Harris, C. M.	Dalton, Ga.	Farmer	1903-1905	Dalton, Ga.	1905	
Matthews, W. O.	Decatur, Ga.	Farmer	1903-1905	Decatur, Ga.	1905	
McKee, H. D.	McKee, Ga.	Farmer	1902-1905	McKee, Ga.	1905	
Aycock, J. T.	Monroe, Ga.	Farmer	1902-1905	Monroe, Ga.	1905	
Patterson, E. P.	Milner, Ga.	Gov. Official	1901-1905	Milner, Ga.	1905	
Barnes, G. M.	Riverdale, Ga.	Teacher	1902-1906	Stinson, Ga.	1906	
Gaillard, W. S.	College Park, Ga.	Teacher	1900-1906	Dahlonega, Ga.	1906	Prof. Georgia Military Academy.
Jackson, W. L.		Telephone S.	1901-1906	Stockbridge, Ga.	1906	
McKibben, G. C.	Hephzibah, Ga.	Teacher	1904-1906	Elgin, Ga.	1906	
Davidson, E. W.	Atlanta, Ga.	Merchant	1903-1906	Atlanta, Ga.	1906	
Broach, W. E.	Compton, Ga.	Teacher	1903-1906	Compton, Ga.	1906	
Phillips, J. E.	Pierceville, Ga.	Lumberman	1902-1906	Pierceville, Ga.	1906	
Burnett, C. D.	Tennille, Ga.	Bookkeeper	1902-1906	Tennille, Ga.	1906	
Moore, R. V.	Dahlonega, Ga.	Elec. Engine	1903-1906	Dahlonega, Ga.	1906	
Knox, J. T.	Manila, P. I.	Const. Serv.	1902-1906	Westminster, S. C.	1906	
Simmons, Y. J.	Gainesville, Ga.	Teacher	1904-1906	Gainesville, Ga.	1906	
Elkan, Julius	Bellingham, Wash.	Merchant	1904-1907	Brunswick, Ga.	1907	
Gaskins, Alvah	Nashville, Ga.	Merchant	1903-1907	Nashville, Ga.	1907	
Phillips, Chas. G.		Lumberman	1903-1907	Fannin Co., Ga.	1907	
Stephens, M. L.		Farmer	1904-1907	Heard Co., Ga.	1907	
Shed, Lizzie	Hoschton, Ga.	Teacher	1902-1908	Hoschton, Ga.	1908	
Burch, A. A.	Dublin, Ga.	Law Student	1904-1908	Dublin, Ga.	1908	
Ray, Bruce		Teacher	1903-1908	Newport, Ga.	1908	
Bynum, G. N.	Pine Mt.	Student	1908	Price, Ga.	1902	

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Gay, M. C.	Winterville, Ga.	Teacher	1908	Sharp Top, Ga.	1908	
Johnson, H. V.	Dahlonega, Ga.	Student	1908	Newbridge, Ga.	1908	
Townsend, W. T.		Lawyer	1900-1906	Sharptop, Ga.	1908	
Black, J. D.	Dougherty, Ga.	Merchant	1908			
Brooksher, C. J.	Dahlonega, Ga.	Merchant	1902-1908	Camden Co., Ga.	1908	
Brown, C. B.	Camden Co.		1903-1908	Dahlonega, Ga.	1908	
Castleberry, V. W.	Dahlonega, Ga.		1902-1908	Dahlonega, Ga.	1908	
Jackson, Maud	Dahlonega, Ga.		1902-1908	Dahlonega, Ga.	1908	
Neal, Harry	Hamilton, Ga.		1903-1908	Hamilton, Ga.	1908	
Creel, J. E.	Chattanooga, Tenn.		1905-1908	College Park, Ga.	1908	
Denham, E. T.	Eatonton, Ga.		1904-1908			
Fraser, C. W.	Hinesville, Ga.		1904-1908	Hinesville, Ga.	1908	
Rice, G. E.	Forsyth Co.		1904-1908	Forsyth Co., Ga.	1908	

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